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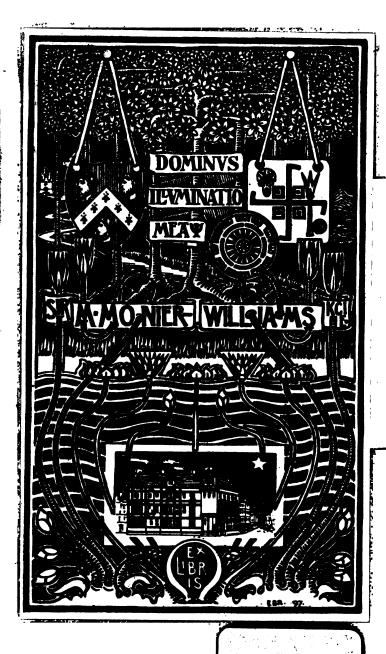
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# ECONOMIC PRODUCTS OF INDIA

EXHIBITED IN THE ECONOMIC COURT,

# Calcutta International Exhibition, 1883-84.

BY

## GEORGE WATT, M.B., C.M., F.L.S.,

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In charge of the Economic Court and of the Central Office, Calcutta International Exhibition of 1883-84.

ASSISTED BY

#### L. LEOTARD,

IMPERIAL REVENUE AND AGRICULTURAL DEPARTMENT.

PART VI.

# FOODS, FOOD-STUFFS, AND FODDERS.



#### CALCUTTA:

PRINTED BY THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA. 1883.

·  Presented to Prof Monier Williams CS. 1.
With the authors Complements
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# ECONOMIC PRODUCTS OF INDIA

EXHIBITED AT THE

Calcutta International Exhibition, 1883-84.

## PART VI.—Foods, Food-stuffs, and Fodders.

## ABRUS. ABIES. Abies Webbiana, Lindl., Conifera. I THE HIMALAYAN SILVER FIR. Vern.—Bádar, KASHMIR; Rag, re, tosh, spun, rewari, pun, palúdar, bádar, HIMALAYAN NAMES; Gobria sulah, NEPAL; Ragha, KUMAUN; Dumohing, BHUTIA. Found in the Himalaya, from the Indus to Bhutan; in the North-Western Himalaya, between 7,000 and 13,000 feet; in the inner ranges of Sikkim and Bhutan, between 0,000 and 13,000 feet; in the outer ranges it does not descend below 10,000 feet. In tracts near the Jhelum the twigs and leaves are cut and stored for winter use as fodder and litter for cattle. (Brandis.) ABROMA. Abroma augusta, Linn., Sterculiace. 2 Vern.—Ulatkambal, BENG. A small bush, widely spread, native or cultivated, throughout the hotter parts of India. Flowers most profusely during the rains, and the seeds ripen in the cold season. The fruits are five-celled, with many seeds in each cell. ABRUS. Abrus precatorius, Linn., Leguminosæ. 3 Indian or Wild Liquorice Root, Eng.; Liane & reglisse, Fr. Vern.—Gunchi, rati, chirmiti, HIND; Gunja, ghungachi, Bom.; Maspati, NEPAL; Kunch, gunch, chun-hatí, Beng.; Gunja, krish, nala, kaka chinchi, SANS.; Aainudek, ARAB.; Chashme-khuros, Pers.; Gundumaní, TAM.; Ghurie-ghénsá, Tel. A beautiful climber, met with all along the Himalayas, ascending to 3,000 feet, and spreading through the plains of India to Ceylon and Siam. There are three principal varieties described by Roxburgh-1st.—With rose-coloured flowers, red seed and black eye. and.—With dark-coloured flowers, black seed and white eye. 3rd.—With white flowers and white seed.

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#### ACACIA.

The seeds, known vulgarly as crab's eyes, are said to be used in Egypt as food when boiled; if eaten in any quantity they produce violent headache. When injected hypodermically they are poisonous.

### ACACIA.

## Acacia arabica, Willd., LEGUMINOSE.

INDIAN GUM ARABIC.

Vern.—Babúl, babla, kikar, Hind., Beng., and Dec.; Vabbúla, barbara, Sans.; Ammughilan, Arab.; Kari-mughilan, Pers.; Babboa, Sind.; Karúvelum, Tam.; Nella tuma, Tel.; Babhúla, kali-kiker, ráma-kátí, Bom.; Gobli, Kan.

Wild in Sind, Rajputana, Guzerat, and the Northern Deccan; common

everywhere throughout the plains of India.

The green pods with tender shoots and leaves are given as fodder for cattle, sheep, goats, and camels; and are specially valuable for this

purpose during a season of drought when other fodder fails.

The Gum is highly nutritious, and to a limited extent forms an article of food, largely so in times of scarcity; in fact, there are few trees more valuable to the cultivator than the babul. It yields his most valuable timber, luxuriating on the poorest waste lands, and even in seasons of drought it is ever-green. Its bark forms a useful domestic medicine, and along with the leaves and pods it is also used in dyeing and tanning. The leaves are a never-failing source of fodder, and the gum an article of food; each tree yielding about 2 lbs. The young, thorny twigs are universally used for dry fences to protect certain crops; tied into bundles, they form decoys for fishermen.

## A. Catechu, Willd.

CATECHU, Eng.; Cuchore, Fr.; CATECHU, Germ.

Vern-Khair, katha, Hind.; Khayer, Beng.; Khaderi, khaira, Bom.; Katthah, Dec.; Khoira, koir, Ass.; Khadir, Sans.; Khoiru, Uriya; Karangalli, bága, kasku kutti, wodalior, Tam.; Kanchu, podala-manu, Tel.; Rat-kihiri, Cingh.; Sha, Burm.

A moderate-sized, gregarious, thorny, deciduous tree, common in most parts of India and Burma, extending in the sub-Himalayan tract west-

ward to the Indus. (Gamble.)

The chief product of this tree is kath and cutch, obtained by boiling down a decoction from the chopped wood, say for 20 hours continuously; twigs are then placed in it. On these twigs the kath crystallises. Both kath and cutch are known commercially as Catechu, but the former is regarded as purer than the latter, and is largely used as an ingredient in the prepared pán or betel-leaf which the natives of India are so fond of chewing. The kath is reduced to a fine powder, a little of which is smeared on the pán leaf, together with some white lime and crushed betel-nuts. It is the kath in combination with the lime which gives the teeth and lips the red colour so characteristic of Hindus. Cutch is made by boiling down the decoction until it forms a hard extract; it is used as a tan and a medicine—the true Catechu of European commerce.

## A. concinna, DC.

Vern.—Rithá, kochi, HIND.; Ban-rithá, BENG.; Aila, rassaul, OUDH; Sikekai, shíka, Bom., DEC.; Shika, TAM.; Chikaya, gogu, TEL.; Ken bwon, soopwotnway, BURM.; Sigé, KAN.

A climbing shrub found in South India, Bengal, Assam, and Burma. Ainslie first described the properties of the pods. Under the name of

ACER.

'soap-pods' they are largely used instead of soap as a detergent, especially in washing the hair; they are also deobstruent and expectorant.

The acid leaves are eaten.

Acacia Jacquemontii, Benth.

Vern.—Hansa, Afg.; Kikar, babul, bamul, babbil, PB.; Ratabauli, Guz.

A small, bushy, thorny shrub met with on the east flank of the Sulaiman Range, ascending to 2,500 and at times to 3,200 feet; on the outer Himalaya near the Jhelum to about the same elevation; on the Punjab plains, in Sindh, and on the banks of the Nerbudda. Commonin ravines and dry water-courses in Rájputana and North Guzerat. (Brandis.)

The bark of the root is used in the distillation of spirits; the branches are cut, and the leaves, thrashed out with sticks, are used as fodder.

A. leucophlæa, Willd.

Vern.—Safed kikar, rerú, raunj, karir, ringa, rinj, HIND.; Sharab-kikar, Dec.; Hevúr, pándharyú, Bom.; Ve-velam, Tam.; Tellatúma, Tel.; Aring, RAJ.; Tanoung, BURM.

Found on the plains of the Punjab, from Lahore to Delhi, and in the forests of Central and South India and Burma.

The young pods and seeds are eaten, and even the bark in times of scarcity. The latter is used in preparing spirits from sugar and palm-juice, to precipitate, by the tannin which it contains, the albuminous substances in the juice. The fruit is largely collected for fodder in the Punjab.

A. modesta, Wall.

Vern.—Palosa, AFG.; Phulahi, PB.

Found on the Sulaiman and Salt Ranges, the sub-Himalayan tract, between the Indus and the Sutlej, and the northern part of the Punjab plains.

This is one of the characteristic trees of the Punjab. The leaves and

fallen blossoms are collected for fodder.

ACER.

Acer cæsium, Wall Sapindaceæ.

A. pictum, Thunb.

Syn.—A. CULTRATUM, Wall.

Vern.—(Of the former) Mandar, trekhan, tilpattar, PB.; Kilu, KUMAUN.
(Of the latter) Kilpattar, trekhan, kakru, kansal or hansal, kanjar, jerimu, laur, PB.; Kancheli, N. W. P.; Dhadonjra, jerimu, SIMLA.

Large, deciduous trees common on the North-West Himalaya from the Indus to Nepal, ascending to 11,000 feet.

The branches are lopped for fodder.

A. villosum, Wall.

Vern.—Karendera, SIMLA.

A large, handsome tree of the temperate Himalaya, from Kashmir to Nepal, altitude 7,000 to 9,000 feet.

Leaves lopped for fodder.

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#### ADHATO-DA.

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#### ACORUS.

## Acorus Calamus, Linn., Aroidez.

THE SWEET-FLAG.

Vern — Bach, ghorbach, Hind.; Vakhanda, Bom.; Vacha, Sans.; Vaj, Arab.; Agre turki, Pers.; Bach, Beng; Bari boj, Pb.; Vashambu, Tam.; Vadaja, Tel.; Linhe, Burm.

A semi-aquatic perennial, with indefinitely branched rhizomes, from which rise sword-shaped leaves 2 to 3 feet in length; a native of Europe and North America; cultivated in damp, marshy places in India and Burma, altitude 3,000 to 6,000 feet; exceedingly common in Manipur and the Naga hills, often on the cultivated fields, spreading apparently from the division walls. The whole plant has a strong, sweet, aromatic smell.

Occasional in the Punjab Himalaya from 3,000 to 6,000 feet. (Dr. Stewart.)

The leaves of the American species are said never to be eaten by cattle.

### ADANSONIA.

## Adansonia digitata, Linn., MALVACEÆ.

THE BAOBAB TREE, SOUR GOURD OF MONKEY BREAD TREE OF AFRICA.

Vern.—Gourkh amli, Hind.; Hathi-khatyan, Dec.; Anai-puliya-roy, TAM.; Hujed, ARAB.; Gorakh chints churi chints, Bom.

A native of Africa, growing to the height of 40 feet only, with a diameter of some 30 feet, an old Baobab being more like a forest than a single tree. Cultivated in some parts of India to a small extent. It deserves to be extended.

The fruit, which is of the size of a lemon, resembles a gourd, contains many black seeds, is somewhat acid, and makes a cooling and refreshing drink. It is also eaten by the natives. Major Pedley, in his expedition in search of Mungo Park, lived almost exclusively on it for twelve days. In Guzerat, the fishermen along the sea coast use the fruit as a float for their nets, eat the leaves with their food, and consider them cooling. In Senegal the negroes use the bark and leaves powdered as a condiment.

Adenanthera aculeata, Roxb. See Prosopis spicigera, Linn., Leguminos.

#### ADHATODA.

## Adhatoda Vasica, Nees, Acanthace E.

Vern.—Arusha, HIND.; Bakas, vásaka, BENG.; Bhekkar, basúti, torabujja, bashang arús, HIMALAYAN NAMES; Arus, vasaka, SANS.; Adha, dode, TAM.; Adasara, TEL.

A small shrub common in the sub-Himalayan tract from Nepal westward, throughout the plains of India up to 4,000 feet. A small, muchbranched, gregarious bush in the Naga hills, grown as a hedge plant to cover the passages leading to the villages.

Not browsed by any animals except goats, and even these crop only a few leaves.

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AGARI-CUS.

#### ÆGLE.

## Ægle Marmelos, Correa, RUTACEE.

THE BARL FRUIT.

Vern.—Bel, Hind., Beng.; Bela, bila, bilva, Bom.; Sriphal, Sans. (the Bilva, Mabura or Matura of the ancients); Vilva, Tam.; Maredu, Tel.; Okshit, Burm. (Roxburgh says a small variety is called Shriphula in Bengal).

A tree of the sub-Himalayan forest from the Jhelum eastward,

and South India and Burma.

Flowers in the hot season, and bears its hard-shelled fruit, which is ripe after the rains in Southern India, and in the early spring in Lower Ben-

gal and the Upper Provinces.

The fruit when ripe is sweetish, wholesome, nutritious and very palatable, and much esteemed and eaten by all classes. The ripe fruit, diluted with water, forms, with the addition of a small quantity of tamarind and sugar, a delicious and cooling drink.

### ÆSCULUS.

Æsculus indica, Colebr., Sapindace E.

THE INDIAN HORSE CHESTNUT. Vern.—Bankhor, gún, kanor, HIND., PB.

A native of the Western Himalayas, ranging from 4,000 to 10,000 feet in altitude, and spreading from the Indus to Nepal. It grows on any soil, and produces annually an abundant crop of nuts and thick foliage.

The nuts are variously utilised; in Turkey the nuts of the European species are ground with other food and given to horses, hence the name; in France they are employed in the manufacture of starch; in Ireland they are macerated in water, and being saponaceous are used to whiten linen; in the Himalayas they are eaten greedily by cattle, and in times of drought and scarcity by men after being steeped in water, and some-times mixed with flour. The leaves are lopped for cattle fodder.

#### AGARICUS.

## Agaricus campestris, Linn., Fungi.

THE MUSHROOM.

Vern.—Alombe, khumbah, Bom.; Mánskhel, Kashmir; Moksha, Chamba; Khúmbah, khámbúr, chattri, Afg. Bazar names; Kúmbh samarogh (Stewart), Herar (Poisonous forms).

There are several species, used indiscriminately, but as these have not as yet been accurately determined by botanists, it is preferable to refer to all under the common name which in English they would doubtlessly receive, vis., The Mushroom.

The common mushroom, says Dr. Stewart, is abundant in cattle fields in many parts of the Central Punjab after the rains, and also abounds in the desert tracts of Central and Southern Punjab. It is largely eaten

by the natives, and is described as excellent and equal to the English mushroom by those Europeans who have eaten it. It is also extensively dried for future consumption, and is said to preserve its flavour tolerably well. Mushrooms are largely used in the manufacture of ketchup.

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#### ALANGI-UM.

#### AGAVE.

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Agave americana, Linn., AMARYLLIDEE.

AMERICAN ALOE; VEGETABLE SILK.

Vern.—Pita, bakas-puttah, bans keora, anink-katrashai, peetha-kalabantha, TAM.

A large, succulent-leaved plant which may be 40 or 50 years old before flowering. The flower stem grows often six inches a day attaining the height of 20 or 30 feet.

Originally a native of America, it is now wild in many parts of India. In Mexico a fermented liquor called *Pulque* is made from the stem by incision, and from this an ardent spirit of disagreeable odour is distilled.

### AGLAIA.

20

Aglaia edulis, A. Gray, MELIACEE.

Vern.—Late mahwa, Nepal; Sinakadang, Lepcha; Gumi, Gárrow Hills and Sylhet.

A middling size tree of Eastern Bengal, as also the Garrow Hills and Sylhet; flowers in June-July; fruit ripens two or three months later. Fruit is eaten by the natives.

## AGROSTIS.

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Agrostis alba, Linn., GRAMINE E.

FIORIN OF WHITE BENT GRASS,

Syn. -A. STOLONIFERA, Savi; A. SYLVATICA, Host.

Inhabits Northern India, and ascends the Himalaya up to 13,000 feet, Grows in all kinds of soils; delights in one that is rich and moist. A most valuable fodder grass.

## ALOWAN.

Ajowan. See Carum copticum, Benth., UMBELLIFERÆ

### ALANGIUM.

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Alangium Lamarckii, Thwaites, CORNACEE.

Syn.—A. HEXAPETALUM, Lamk. (Roxb., Fl. In.); A. DECAPETALUM, Lamk.
Vern.—Akola, thaila, Hind., Dec.; Ankola, 'kalá-akolá, Bom.; Akarkanta, baghankara, Beng.; Alangi, ashinji, Tam.; Ankolam-chettu, Tel.; Ankola, Gond; Ankola, Sans.; Dhalákura, Beng. (in U. C. Dut's Mat. Med.)

A deciduous shrub or small tree of the sub-Himalayan tract from the Ganges eastward to Oudh and Bengal; also of Central and South India.

The fruit, a fleshy one-seeded drupe, is edible but not palatable. The Malays believe it to be a hydragogue purgative.

	ALHAGI.
ALBIZZIA.	
Albizzia Lebbek, Benth., Leguminosæ.	23
Vern.—Siris, siras, sirin, sirai, tantai, garso, Hind.; Siris, sirisha, Beng.; Vaghe, Tam.; Dirasan, darshana, Tel.; Kal baghi, bengha, Kan., Kokoh, Burm.; Beymadá, gachoolá, And.	
A large, spreading tree, found wild or cultivated in most parts of India.	
The leaves are used for camel fodder.	
A. odoratissima, Benth.  Vern.—Siris, bhandir, bersa, bansa, Hind.; Yati-koroi, Ass.; Lasrin, karambru, polach, PB.; Siras, Bom.; Kal-thuringi, kar vaghe, bilwara, Tam; Shinduga, Tel.; Thitmagyi, Burm.  A large, deciduous tree of the sub-Himalayan tract from the Indus	24
eastward, ascending to 3,000 feet; of Bengal, Burma, Central and South India.  The leaves are used for fodder.	
A. stipulata, Boivin.	-
Vern.—Oi, oë, shirsha, PB.; Siran, samsundra, HIND.; Chakua, amluki, BENG.; Kat turanji, TAM.; Kal baghi, KAN.; Kabal, CINGH.; Boomaisa, Burm.	25
Met with in the sub-Himalayan tract, Oudh, Bengal, South India, and Burma.  The branches are lopped for cattle fodder. (Gamble).	
ALEURITES.	
Aleurites moluccana, Willd., Euphorbiacem.  The Belgaum of Indian Walnut.	26
Syn.—A. TRILOBA, Forst. Vern.—Akrot, Beng., Hind.; Jangli akhrota, japhala, Bom.	
A handsome tree, introduced from the Malay Archipelago, and now found in cultivation or running wild in many parts of South India.  It is cultivated for the sake of its fruit, 2 inches in diameter, with the wallnut flavour; hence the name.	
Algaroba. See Prosopis grandulosa, Torr., LEGUMINOS.E.	
ALHAGI.	
Alhagi maurorum, Desv., Leguminosæ.	27
THE CAMEL THORN; THE HEBREW MANNA PLANT.  Syn.—Hedysarum Alhagi, Willd. in Roxb. Fl. Ind., C. B. C. Ed.	2/
(b. 574.) Vern.— Juwása or junvásá or yavásá, Hind., Bom.; Dulallabhá, Beng.; Duralabha, girikarnika, yavása, Sans.; Shutarkhor, Pers.; Alhaju, Arab.	
A widely-spread shrub of the Ganges Valley and the arid and northern zones; a native of South Africa, the deserts of Egypt, Arabia,	

#### ALLIUM.

28

Asia Minor, Beluchistan, and Central India. Abounds in many of the

arid parts of the Punjab plains; very common near Delhi.

In the hot season when almost all the smaller plants die, this puts forth its leaves and flowers which are used as fodder for camel. Just about this time the leaves and branches exude a gummy-looking liquid which soon thickens into solid grains; these are gathered by shaking the branches and constitute the eatable substance known as manna. This secretion, however, is apparently not found on the Indian plant, but is apparently found on the plant at Kandahar and Herat, whence small quantities of the manna are imported into Peshawar.

#### ALLIUM.

## Allium ascalonicum, Linn., Liliace E.

THE SHALLET.

Vern .- Gandhan, PB.; Gandana, AFG.; Shallot (Stewart).

A hardy, bulbous perennial, native of Ascalon in Palestine.

The bulbs separate into what are termed cloves like those of garlic; and are used for culinary purposes, being of milder flavour than onions. They also make excellent pickle. It is cultivated apparently in Afghanistan for the sake of the leaves, which may be cut two or three times a year for 25 or 30 years.

## 20 A. Cepa, Linn.

Onion, Eng.; Ognon, Fr.; Zwiebel, Ger.

Vern-Pelándu, Sans.; Piyáj, Beng.; Piyás, Hind.; Vella-vengayam, Tam.; Nírelli, Tel.; Ky-et-thwon-ni, kesun-ni, Burm.

Onions, leeks and garlic were cultivated in Egypt in the time of Moses, but it is stated that £428,800 were paid for the onions and garlic

eaten by the workmen of the great pyramid.

The onion is cultivated very widely all over India, especially in the neighbourhood of large towns, and is consumed both by Europeans and natives. Its cultivation takes place during the dry months from October to February. The Mussulmans of India never cook curry without onions, but the strict Hindus of Bengal regard them as objectionable, and rarely if ever eat them. The Patna onion is of a superior kind, and is much sold in the Calcutta markets. The onions of the Northern Provinces are larger and more succulent than those of Bengal and the Southern Provinces.

When pressure of work or any other cause prevents the cooking of curry, the natives frequently eat onions with their daily meal, which, in the case of the poorer Bengalis, may be stale rice and water with salt, and with the natives of Upper India is coarse bread only: the onion in these cases is eaten raw, for the purpose apparently of flavouring the meal. (Mr. L. Liotard.)

## A. Rubelium, Bieb.

Vern.—Jangli pias, barani pias, chiri piasi, HIND.

Slender-leaved species, common in North-Western India, and extending into Lahoul.

In most places the root is eaten raw or cooked. (Stewart.)

	ALOPECU- RUS.
Allium sativum, Linn.	31
GARLIC.  Vern.—Mahaushadha, lasuna, SANS.; Sir, PERS.; Rasun, BENG.; Lasan, HIND.; Vallai-pandu, TAM.; Vellulli, tella-gadda, TEL.; Kyet-thwon pen, kesún-phiú, BURM.  It is cultivated all over India.  Used as a condiment in native curries throughout the country.	
A. sphærocephalum, Linn.  Grows wild in Lahoul.  The root and dried leaves are eaten (Stewart).	32
Almond. See Terminalia Catappa, Linn., Combretace.	
ALNUS.	
Alnus nitada, Endl., Cupulifere.  Alder.  Vern.—Shrol, sawali, champ, kúnsh, gira, PB.  Found on the Punjab hills and plains. Leaves sometimes used as fodder.	33
ALOE.	
Aloe vera, Linn., Liliaceæ.  Indian Aloe, Eng.; Aloes, Fr.; Aloe, Ger.  Syn A. Barbadensis, Miller; A. Perfoliata, Roxb.; A. vulgaris, (Bauhin), Lam.  VernGhikuwári, kumári, Hind.; Ghirta-kunmári, girta-kanvár, Beng.; Ghirta-kumári, kanyá, Sans.; Sibr, Arab.; Sibr, bole-siyah, Pers.; Eliya (resin), Kora-kand (the plant), komári, Dec.; Kanvaár, kora kanda, kora-phad, Sind.; Kariya-polam, kattáli, Tam.; Musham báram, Tel.; Mok, Burm.	34
Var. officinalis, sp., Forsk.  Syn.—A. RUBESCENS, DC.; A. INDICA, Royle.  Vern.—Kumari, HIND.; Ghikawár, N. W. P.; Ghirta-kanvár, BENG.;  Sirrúghá, kuttalay, TAM. (see Ainslie); Nabatussibr, áúlsi, ARAB.;  Dura-khte-sibr, PERS.  This is the form met with in a semi-wild condition in Bengal and the North-West Provinces. It has beautiful reddish and orange flowers, with the bases of the leaves purple-coloured and so dilated as to have in all probability suggested the name A. perfoliata.  The pulp of the leaves is eaten by poorer people in times of famine, when the seeds also are eaten.	35
ALOPECURUS.	
Alopecurus agrestis, Linn., GRAMINEE.  SLENDER FOX-TAIL GRASS.  Found in the Punjab in cultivated ground.  Duthie, quoting Parlatore, says the latter describes it as a good fodder grass, fresh or dry.	36

## AMARYL-

LIS. 37

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## Alopecurus geniculatus, Linn.

FOX TAIL GRASS.

Syn.-A. FULVUS, Sm.

Inhabits the plains of Northern India, and ascends the Himalaya in Kumaun and Kashmir valley.

Mueller describes it as a good fodder grass for swampy land. A variety, pumila, was found by Royle on the banks of the Jumna.

## 38 A. pratensis, Linn.

in England.

MEADOW FOX-TAIL GRASS.

Inhabits the North-West Himalayas, 5,000 to 8,000 feet, and ascends in Lahoul up to 13,000 feet; also found in Kashmir and on the Punjab plains.

A perennial pasture grass, considered one of the best of its class. Sheep thrive well on it. Loudon mentions it as an excellent fodder grass

#### ALTHÆA.

## Althæa officinalis, L., MALVACEE.

MARSH MALLOW.

Found in Kashmir and Afghanistan. Is used as a green vegetable.

## AMARANTUS.

## 40 Amarantus Anardana, Hamilt., Amarantace E.

Vern.—Ganhar, tawal, chaulai, sil (seed), PB.; Ság, BENG.

Cultivated and wild in Bengal and the Upper Provinces.

The leaves are eaten as a pot-herb. The seeds, after being parched, are used in some places as a food-grain, and are considered heating.

## 41 A. frumentaceus, Buch.

Vern. - Kiery, South India.

Cultivated by the natives in Southern India for the seed, which they make into flour and use as food.

## 42 A. mangostanus, L.

Vern .- Chaulai, ganhar, UPPER INDIA; Sag, BENG.

Occasionally cultivated in the plains. The leaves are used as a pot-herb.

## AMARYLLIS.

## 43 Amaryllis grandiflora, Amaryllide ...

The Amaryllis is chiefly a native of Brazil, but cultivated largely in

No information as to its cultivation in India.

. AMOMUM.	4 AMOR- PHO- PHALLUS.
Amomum aromaticum, Roxb., Scitamineæ.	
CARDAMOM PLANT.	44
Vern.—Morung, elachi, Beng.; Eelachi, HIND., Dec.; Aila cheddi, TAM.; Yaslakulu, Tel.; Yalum, MAL.	
During Roxburgh's time this was most probably the plant which yield- ed the greater Cardamom. It is met with in the mountains of Eastern Bengal. Apparently it is not now used, or there was some mistake on the part of <b>Dr. Roxburgh</b> as to this being the greater Cardamom of Bengal.	
A. dealbatum, Roxb.	45
A native of Eastern Bengal and the adjoining frontier; a stately species flowering in March and April and ripening its seed in September and October.	+5
A. subulatum, Roxb.	46
THE GREATER CARDAMOM; THE GRAINS OF PARADISE.	1
Vern.—Bara-elachi, Beng., HIND.; Yelarsi, TAM.; Yelakulu, TEL.; Ben, Burm.	
A native of the Eastern Archipelago.  Dr. King clearly proved that this is the greater Cardamom of the present day, which is obtained from Nepal and largely used in Bengal as a condiment.	
A. maximum, Roxb.	47
This was stated by <b>Dr. Pareira</b> to be the Greater Cardamom of Bengal, but erroneously. <b>Dr. Roxburgh</b> says it was introduced from the Malay Islands by the late <b>Colonel Kyd</b> .	
The flowering time is the hot season, and the seeds ripen three or four months afterwards; they possess a warm pungent taste somewhat like that of the Cardamoms, but by no means so grateful.	
AMORPHOPHALLUS.	
Amorphophallus campanulatus, Blume., Aroideæ. Syn.—Arum Campanulatum, Roxb.	48
Vern.—Ole, Beng., Hind.; Zaminkand, North India; Kunda, kulla, Sans.; Karuna, Tam., Mal.; Munchá kunda, Tel.	
A stemless plant annually sending up a large compoundly dissected leaf, with beautiful variegated petiole, common in Bengal, and through-	1
out the plains of India.  Much cultivated throughout India,—in some places more commonly than in others,—for the sake of the corms or solid bulbs, which are con-	
sidered nutritious and wholesome when cooked, and are accordingly in common use as an article of food. They are boiled like potatoes and eaten with mustard; they are cooked in curries; they are cut into	
slices, boiled with tamarind leaves, and made into pickles; and they are also cooked in syrup and made into preserves.  The larger corms have small tuberosities, which are separated and	
form cuttings for propagatoin. These are planted immediately after the first rains (say in May and June) in loose, rich soil, repeatedly ploughed. In twelve months they are fit to be taken up for use. If cultivated	

### INANAS-SA.

under favorable circumstances, each corm will weigh from 4 to 8lbs.; which may be preserved if kept dry. The average out-turn is about 200 to 400 maunds per bigha, and the price is about a tupee a maund.

### ANABASIS.

49 Anabasis multiflora, Moq., Chenopodiace E.

Vern.—Ghalme, goraláne, dana, PB.
Is found in the Punjab.
Camels are fond of the plant.

#### ANACARDIUM.

Anacardium occidentale, Linn., ANACARDIACEE.

CASHEW NUT.

Vern.—Hijli bádám, Beng. ; Kajú, Hind. ; Mundiri, kottai, Tam. ; Jidi mamidi, Tel. ; Thee-noh thayet, Burm. ; Kempu gírus, Kan.

Now established in the coast forests of Chittagong, Tenasserim, the Andaman Islands, and South India, near the sea; naturalised from the West Indies, America, Ceylon, &c.

Produces a small fruit, within which is the nut known as the Cashew nut commonly eaten roasted, a process which improves the flavour.

## ANANASSA.

Ananassa sativa, Linn., Bromeliace E.

THE PINE-APPLE.

Vern.—Anánas, Hind. (Dec.); Anánash (vulgarly anáras), Beng.; Anaras, Guz.; Anáshap-paxhane, Tam.; Anása-pandu, Tel.; Kaita-chakká Mal.; Aainunnás, Árab & Pers.; Annasi, Cingh.; Nanna-si, Burm.

A perennial universally cultivated in all tropical and sub-tropical countries. The entire natural order to which this much-prized fruit belongs are natives of America, and were unknown to Europe, Africa and Asia prior to discovery of the Western Continent. The Pine-Apple is apparently a native of Brazil and it was first made known to Europe by Goncatlo Hernandez in 1513; it was introduced by the Portuguese into Bengal in 1504. "Its introduction is expressly mentioned by Indian authors such as Abul Fuzl in the Ayeen Akbari, and again by the author of Dhara Shekoih (Royle.) The rapidity with which it spread through Europe, Asia and Africa is unparalleled in the history of any other fruit. It seems to have met with universal acceptance, hence, apparently, the purity with which its American name Anasi or Nanas has passed through so many languages. The Asiatic recipient of a living plant seems to have carried off and adopted as his own the name by which so valuable a treasure was made known to him. The first pine-apples which appear to have reached England were those presented to Cromwell. The next notice is of the "Queen pine" presented to Charles II on the 19th July 1688, having been sent from Barbados, and the first pine-apple grown in England seems to have been reared from the rejected crowns of these. It was first systematically cultivated in Europe by M. Le Cour,

51

ANDRO-POGON.

a Dutch Merchant near Leyden. It was first fruited in England in the year 1712; since then its cultivation may be said to have become universal all over Southern Europe; the largest pine on record was reared in England, and it weighed over 14 lbs.

In India the fresh juice of the leaves is regarded as a powerful anthelmintic, and that of the fruit an antiscorbutic. A friend informs me that the natives regard the fresh juice of the fruit as poisonous if hypoder-

mically injected.

In the Malabar coast near Mahé, and in British Burma, near Myanoung, the pine-apple is remarkably abundant. In the former tract the natives have a prejudice against eating the fruit from an idea that it is poisonous, and they consequently destroy the fruit, or give it away. In Myanoung, Monsieur d'Avera is trying to make use of the large quantities that grow there to manufacture champagne. I am in correspondence with him on the subject, and he seems hopeful of success. Should the experiment succeed, it could be repeated on the Malabar coast. (Mr. L. Liotard.)

### ANDROPOGON.

## Andropogon Bladhii, Rets., GRAMINEE.

Syn.—Lepeocercis Bladhii, Nees.

Vern .- Loari, Beng.; Donda, nilon, N. W. P.

Described by **Roxburgh** as a native of hedges and road-sides, but chiefly of old pasture grounds. **Duthie** says it inhabits the plains of the North-Western Provinces and Punjab.

### A. citratus.

THE LEMON GRASS.

Vern .- Olá cháhá, gandhat rince, Bom.

A large, coarse grass, found under cultivation in various islands of the Eastern Archipelago, and growing wild on extensive tracts of land in India and Ceylon; it rarely or never bears flowers. It is grown especially for its odoriferous oil in Ceylon and Singapore.

## A. contortus, Linn.

Vern .- Yeddi, TEL.

Grows on pasture grounds. See Heteropogon contortus, R. & S.

## A. laniger, Desf.

(The Herbba Schoenanthi or Juncus Odoratus of Pharmacists.)

Syn.—A IWARANCUSA, Roxb.

Vern.—Khawi, panni, solára, san, PB.; Ibharankusha, kurankusha, BENG., HIND.

Native of the Lower Himalayan tract, extending through the plains of the North West Provinces and Punjab to Sindh.

Roxburgh says it grows in large tufts, each tuft composed of a number of plants adhering together by their roots. The roots are aromatic. Cattle are said to be very fond of the grass.

52

53

54

INDRO-OGON.

56

## Andropogon miliaceus, Roxb.

HILL GRASS.

Syn .- A. MILIFORMIS, Stend.

A grass, erect, from 6 to 10 feet in height, inhabiting the mountains north of Oudh.

Roxburgh writes:—"The seeds of this most beautiful stately grass were sent me from Lucknow by the late Gen. Claude Martin, under the name of Hill Grass. \* \* \* It blossoms during the latter part of the rains."

57

## A. muricatus, Retz.

Cuscus, Khus-khus or Koosa.

Syn.—A. squarrosus, Linn.; Phalaris zizanoides, Linn.; Anatherum muricatum, Rets.

Vern.—Bena (the plant), khas-khas (the root), BENG., HIND.; Virunung, SANS.; Watiwear, TAM.

A perennial tufted grass very common on every part of the Coast, and in Bengal, where it meets with a low, moist, rich soil, especially on the banks of water-courses, &c. (Roxb.) Inhabits the plains of the Punjab and North West Provinces, and ascends into Kumaun, 1,000 to 2,000 feet in altitude (Duthie).

The roots, well known in India as the khas-khas, have a fragrant odour, especially when moistened, and are much used for the manufacture of screens or blinds which, applied to doors and windows during the hot weather and moistened, give out a fragrant odour and cool the apartment. The grass itself when young affords good fodder.

58

## A. pertusus, Willd.

Syn. -A. PUNCTALUS, Roxb.; HOLEUS/PERTUSUS, Linn.; A. ANNULATUS, Forsk.

Vern.—Pulwal, pulréah, rukar, N. W. P.; Pulwan, miniyar, PB.

Found on old pasture ground generally shaded by trees, in the plains of the Punjab and North West Provinces, and at lower elevations of the

Dr. Stewart, writing under A. annulatus, says: "It is considered excellent fodder for bullocks, &c., and for horses, when green." In Australia it is regarded as one of the best grasses to withstand long droughts, while it will bear any amount of feeding. (Baron von Mueller.)

59

## A, scandens, Roxb.

Found in the Punjab, in Kashmir and Bundelkhand. It is a coarse grass growing commonly in hedges. It flowers during the rains. Cattle are apparently not fond of it.

60

## A. Schenanthus, Linn.

LEMON GRASS.

Syn.—A. MARTINI, Roxb.

Vern.—Mirchia-gard, SIWALIKS; Ageea-ghas, HIND.; Gundha-bena, BENG.; Malatrinukung, bhoostrinung, SANS.

Inhabits the hilly districts of the Punjab, North West Provinces, the Siwaliks, and is grown under cultivation in most gardens.

It is the Juncus Odoratus of the Materia Medica; and yields the famous rusa-ka-tel or grass oil of Nimar. Its roots are used in cases of intermittent fever in Northern India.

ANTHOCE-PHALUS.

The fresh leaves are much used as a substitute for tea, and the white succulent centre of the leaf-bearing culms is often put into curries to give them an agreeable flavour.

Duthie writes: "The grass is a favourite fodder for cattle, and Mr. Millar tells me that at Banda (North West Provinces) it is grown in

meadows kept for the purpose and sold in the bazar."

General Martin collected seeds of this grass in the high-lands of Balaghat while there with the army during the war with Tippoo Sultan, and after growing it in Lucknow sent specimens to Dr. Roxburgh, with the remark that he had noticed the cattle were voraciously fond of it, and that it had so strong an aromatic and pungent taste that the flesh of the animals, as also the milk and butter, had a very strong scent of it.

Anethum Sowa, Roxb. See Peucedanum graveolens, Benth., UMBEL-LIFERE.

#### ANGELICA.

## Angelica glauca, Edgw., Umbellifer E.

**Vern.**—*Chúra*, PB.

Common on the Himalaya from Kashmir to Sikkim.
Its aromatic root is added to food to give it a flavour like that of celerv.

## ANONA.

## Anona reticulata, Linn., Anonaceæ.

BULLOCK'S HEART.

Vern.—Nona, Beng.; Rawsita, TAM.

A small tree, common everywhere; wild apparently in some districts, but chiefly met with in cultivation.

The fruit, which resembles a bullock's heart, ripens during the latter part of the rainy season, and is eaten by the natives, and rarely by the Europeans.

## A. squamosa, Linn.

THE CUSTARD APPLE OR SWEET SOP.

'ern.—Ata, Beng.; Saripha, sitaphal, HIND.; Sita, TAM.; Atta, MAL.; Ausa, Burm.

A small tree, the Sweet-sop of the West Indies; naturalised in Bengal and the North West Provinces.

It is cultivated throughout India in gardens. The fruit ripens in summer, is of a more delicate flavor than the fruit of A. reticulata, and is eaten with relish by both the natives and the Europeans.

## ANTHOCEPHALUS.

## Anthocephalus Cadamba, Miq., Rubiace E.

Syn.—Nauclea Cadamba, Roxb.

Vern.—Kaddam, raram, Hind.; Kadam, Beng.; Kadamba, Sans.; Pandúr, Lepcha; Roghu, Ass.; Vella, cadamba, Tam.; Kadambe, Tel.; Kadam, Mar.; Kadamba, nhyú, Bom.; Maoo, maookadoom, Burm.

A large tree with spreading branches and thick foliage; wild or cultivated in gardens and alleys, from the Himalayas to Ceylon.

The fruit is eaten, and the foliage is sometimes used as fodder for cattle.

ÓΙ

62

63

#### APLUDA.

#### ANTIDESMA.

65

Antidesma diandrum, Tulasne., Euphorbiace E.

Vern.—Amli, amári, sarshoti, HIND.; Mutta, BENG.; Patimil, NEPAL.; Kantjer, LEPCHA.; Pella-gumudu, masúr bauri, GOND.; Kimpa-lin,

A small tree, with smooth, grey bark, met with in Garhwal, Kumaun, Oudh, Bengal, South India, and Burma. "The leaves are acid, and are eaten. They resemble sorrel, and are

made into chatni; the fruit is eaten." (Gamble.)

66 A. Ghæsembilla, Gærtn.

Vern.—Khúdi jamb, limtoá, BENG.; Pulsur, polari, pollai, Tel.; Fondri. MAR.; Byait-sin, Burm.; Boo-ambilla, Cingh.

A small, deciduous tree of Nepal, Oudh, Bengal, Burma, Chanda District, and South India.

The leaves are eaten in Bengal.

67

A. Menasu, Mull. Arg.

Vern.—Kumbyung, tungcher, LEPCHA; Kin-pa-lin, BURM.

A small tree of Sikkim, Khásia Hills, Burma, and the Andaman Islands. Fruit is eaten.

### APIUM.

68

Apium graveolens, Linn., Umbelliferæ.

CELERY.

Vern.—Ajmod, karafsh (roots), HIND.; Chanu, BENG.; Karafsh, ARAB.; Kursab, Pers.

A native of England and other parts of Europe. Cultivated in different parts of India during the cold weather, chiefly as garden cultivation in the vicinity of towns, for the use of the European population by whom it is eaten as a salad and pot-herb, or made into soup. It is also cultivated sometimes in Bengal for its seed, and in the Punjab for its root.

The seed is used by the natives in diet and medicine; the root is re-

garded as medicinal.

Aplotaxis auriculata, DC. See Sausshrea hypoleuca Spreng., Compositæ.

A. gossypina, DC. See Saussurea gossypifera, Don., Compositæ.

### APLUDA.

60

Apluda aristata, Linn., GRAMINEE.

Syn.—A. ROSTRATA.

Vern .- Bhanguri, bhangra, send, Bundelkhand; Goroma, Beng.: Putstrangali, TEL.

A creeping, perennial grass, commonly found in hedges, or other shady places, the plains of Northern India, and in Himalaya ascending to 7,000 feet in altitude. Used for fodder.

## APONOGETON.

## Aponogeton monostachyum, Linn., NAIADACEE.

Vern.—Ghechu, HIND.; Kakangi, SANS.; Nama, TEL.

"A native of shallow, standing, sweet water; in Bengal appearing during the rains.

The natives are fond of the roots, which are nearly as good as pota-

toes. (Roxb.)

Apple. See Pyrus Malus, Linn., ROSACEE.

Apricot. See Prunus armeniaca, Linn., Rosacez.

### ARACHIS.

## Arachis hypogæa, Linn., Leguminosæ.

THE GROUND NUT OF EARTH NUT.

Vern.—Buchanaka, SANS.; Mát-kalai, chiner-bádám, BENG.; Mungphali, HIND.; Vilayeti-máng, DEC.; Bhuimága, bhuísenga, viláyatimága, BOM.; Vérk-kadalai, TAM.; Verushanaga-káya, TEL.; Mibé, BURM.

An annual of South America, now generally cultivated in South India and some parts of Bengal and Upper India.

Produces the well-known ground nut, so called because the pod attains

maturity under ground.

In India the nuts are sold in the bazars or by the street hawkers either parched, with the shell on and put up in paper packets, or shelled and roasted in oil. They are eaten by natives of all classes and even by Europeans. In Bombay they are a favorite food of the Hindus during certain fasts.

#### ARALIA.

## Aralia achemirica, Done., Araliacem.

Vern.—Banakhor, churial, PB.

A plant growing rank in the basins of the Jhelum and the Chenab. Eaten by goats.

#### ARECA.

## Areca Catechu, Linn., PALMÆ.

THE ARECA NUT, OF BETEL PALM.

Vern. - Supári, HIND.; Supári, guá, BENG.; Gubak, SANS.; Kottai pakka, TAM.; Poka-vakka, TEL.; Kwyun, BURM.; Adiki, KAN.; Kwam-thee-beng, BURM.

A native of Cochin China, Malayan Peninsula and Islands; it is

cultivated throughout Tropical India.

The nut is one of the indispensable ingredients which enter into the preparation of the pan or betel-leaf chewed so universally by natives of all classes. It is often chewed by itself in small pieces, and is sold in every bazar throughout India. It is said to stimulate digestion.

## A. Dicksonii, Roxb.

A native of the Malabar hills; flowers and fruits in spring. The nut is used by the poorer classes as a substitute for the Areca Nut (supari).

B

ARTEMS-SIA.

## arênaria.

75

Arenaria holosteoides, Edge., CARYOPHYLLEE.

Vern.—Kakua, gandial, PB.; Chiki, LADAK. An herb found in the Punjab Himalayas. Used as a vegetable in Chumba and Ladak.

### ARENGA.

76

Arenga sacchrifera, Labill., PALME.

Syn.-SAGUERUS RUMPHII, Roxb. (Fl. Ind., iii, 626.)

Vern.—Toung-ong, Burm.

A Malayan tree generally cultivated in India, but said by Kurz to be wild in Burma.

"The heart of the stem contains large quantities of sago, and the cut flower stalks yield a sugary sap made into sugar and palm wine." (Gamble).

### ARGANIA.

77

Argania Sideroxylon, R.S., SAPOTACEE.

Is the Argan tree of Morocco, which is found growing gregariously in forests in the Atlas mountains.

The fruit, of the size of a small plum, is used for feeding cattle, the skin and pulp being much relished.

### ARISTIDA.

78

70

Aristida depressa, Rets., GRAMINER.

**Vern.**—Spin-khalak, spin-wege, jandar lamba, PB.; Nali-putiki, TEL. Inhabits the plains in Northern India; also found in the Southern Pro-

vinces. Grows in a dry, barren, binding soil. Roxburgh did not find that it was put to any use; but Stewart says it is a favorite food for cattle in Northern India.

A. setacea, Reiz.

Vern.—Shipur-gadi, Tel.; Thodapga-pulla, TAM.

Common in dry parts of the Punjab and North-West Provinces; also in Southern India where it grows in dry, barren, binding soil.

Roxburgh writes: "Cattle do not eat it, yet it is very useful. The Telinga paper-makers construct their frames of the culms; it also serves to make brooms and tooth-picks. It is employed in preference to other the street of the stre grasses for making the screens called tatties; for this purpose it is spread thin on bamboo frames and tied down: these placed on the weather side of the house during the hot land winds and kept constantly watered during the heat of the day renders the temperature of the air in the house exceedingly pleasant, compared to what it is without." It is used in fact like the khas-khas roots in Northern India. As to the remark that cattle do not eat this grass, Roxburgh was apparently mistaken, for Bidie says it is eaten by bullocks.

Arrowroot. See Maranta arundinacea, Linn., Scitaminez.

## ARTEMISIA.

80

Artemisia parviflora, Roxb., Compositæ.

Vern. - Kanyúrts, PB.; Burmar, LADAK.

Common in the higher regions of North-West Himalaya, in Lahoul and Ladak.

Browsed by goats and sheep.

	ARTO
Artemisia sacrorum, Ledeb.	PU 81
Vern.—Tatwen, burmack, LADAK.	
Grows in the drier tracts of Northern Punjab and ascends the Hima- laya.	l
Browsed by cattle and sheep.	
	}
ARTOCARPUS.	
Artocarpus hirsuta, Lamk., URTICACEE.	82
Vern Anjeli, TAM.; Ayeni, ansjeli, MAL.	}
A large tree, native of the Malabar forests, and extends into Tra- vancore.	
Produces a fruit, the size of a large orange, which contains a pulpy substance much relished by the natives.	
A. incisa, Linn.	83
It has been long introduced into Bengal, but the winters are too rigorous for its growth. In Bombay it succeeds better, and a tree in the garden attached to the Albert and Victoria Museum was in bearing when I saw it in March 1879.	
A. integrifolia, Linn.	84
THE JACK FREE.	•
Vern.—Panas, Hind.; Kanthal, Beng.; Panasa, Sans.; Palah, Tam.; Peingnai, Burm.	
A large tree of the Bread fruit family, has a dense dome of deep dark foliage, with immense fruits clustered around the stem; one of the most characteristic associates of the Indian rural village.  The fruit, 12 to 18 inches in length and 6 to 8 inches in diameter, ripens during the rains and has then a strong odour; it is stocked with luscious flakes, each flake containing a seed. It is much relished by the natives of all classes, but seldom or never eaten by Europeans.  The seeds or nuts of the ripe fruit are eaten either roasted or cooked in curry.	
The fruit when unripe is cut into small pieces and cooked into curry with shrimps. The seeds of the ripe fruit, when roasted in hot ashes, are very palatable and nutritious, and resemble somewhat Spanish chestnuts in taste. (Mr. L. Liotard.)	
A. Lakoocha, Roxb.  Vern.—Barhal, Hind.; Dephal, Beng.; Lakucha, Sans.; Lowi, Dec.;  Tiún, Pb.; Kammaregu, Tel.; Myouklouk, Burm.  Grows on the outer hills of Kumaun, Sikkim, Eastern Bengal, and	85
Burma.  A middling size tree common all over Bengal; flowers in March, and produces a fruit which is eaten by the natives. The male spadix is used by the natives in curry. Mann says the bark is chewed in Assam. The male flower-heads are picked, and the fruit eaten." (Gamble.)	•
A. nobiles, Thw.	86
Vern.—Del, aludel, Cingh.	- <del>-</del>
A large tree met with in Ceylon.  The seeds are roasted and eaten by the Cinghalese.	

#### A TRI-PLEX.

#### ARUM.

Arum campanulatum. See Amorphophallus campanulatus, Blume., Aroide #.

A. Colocasia, Willd. See Colocasia antiquorum, Schott., AROIDEE.

### ARUNDINARIA.

87 Arundinaria Hookeriana, Munro, GRAMINEE.

BAMBOO.

Vern.—Praong, prong, LEPCHA; Singhani, NEPAL.

A bamboo, with stems 12 to 15 feet in height, common about Dumsong. Grows in Sikkim at 4,000 to 7,000 feet in altitude. (Gamble.)

The seeds are edible.

A. racemosa, Munro.

Vern.—Pummoon, LEPCHA; Pathioo, NEPAL; Myooma, BHUTIA. Very common all over the Siwalik hills above 7,000 feet. Extensively used for fodder.

### ASPARAGUS.

Asparagus officinalis, Willd., LILIACEE.

ASPARAGUS.

Vern .- Nak-doun, hillooa, HIND., PERS.; Hilyoon, BENG.

There are several wild Indian species used by the hill people of Eastern India. Indian species have climbing or trailing stems, often spinose.

The species eaten by Europeans is the cultivated one, and this is grown as a rule in private gardens or by the natives near the neighbourhood of towns.

## ASPHODELUS.

Asphodelus fistulosus, Linn., Liliace E.

Vern.—Piasi, bokat, binghar bij (seed), PB. A field weed, abundant in the Punjab plains.

Eaten as a vegetable in times of scarcity.

Asteracantha longifolia, Nees. See Hygrophila spinosa, T. And., Acanthacem.

### ASTRAGALUS.

Astragalus multiceps, Wall., Leguminos.E.

Vern.—Kandiara kandei, katar-kanda, sarmul, PB.; Tinani, diddani, AFG. A spinous plant of the temperate zone, the West Himalayas, up to 12,000 feet.

At times browsed by cattle. The calyces, which have a sweetish pleasant taste, are said to be eaten in the Salt Range by the natives.

### ATRIPLEX.

Atriplex hortensis, L., and A. laciniata, L., Chenopodiacek. Vern.—Korako, suraka, PB.

Inhabit the Western Himalayas in the temperate zone, also submontane tracts in the Punjab, and in Afghanistan.

A. hortensis is said to be a favorite vegetable in the Peshawar valley. Is this the "mallows" of Job XXX, 4?

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88

80

91

AVENA. AVENA. Avena fatua, Linn., GRAMINEE. 93 THE WILD OAT? Vern.-Kuljud, gandal, jei, HIND. Inhabits the plains and hills of Northern India; common as a field weed in cereal crops throughout the plains; ascends the Himalaya up to 0,500 and 11,500 feet. The awn is long and rigid and sensitive to the changes of the atmosphere, as regards moisture. Stewart says that in almost all the places where it grows it is gathered for fodder. A. pratensis, Linn. 94 Meadow Oat Grass. Syn. -A. BROMOIDES, Kunth. Found in Lahoul. Duthie quotes Baron von Mueller, who says it thrives well on dry, clayey soil, produces a sweet fodder, and is recommended for arid ground, particularly such as contains some lime, being thus as valuable as Festuca ovina. A. pubescens, L. 95 DOWNY OAT GRASS. Syn.—Trisetum pubescens, R. & S. Royle found it at Simla, It is a sweet, nutritious, prolific, perennial grass, requiring dry but good soil containing lime. A. sativa, Linn. 96 OATS. **Vern.**—Jai, wilayati-jau, HIND. Of recent introduction into Indian agriculture; it was first grown in Northern India under English auspices round cantonments and stud depots for the supply of horses. The cultivation of oats, although it has found its way among the native ryots, has not gained much extension. It is still confined to Northern India, where it is restricted chiefly to districts where horse-breeding is carried on, vis., in the Meerut and Rohilkhand Divisions of the North-West Provinces, and in the Hissar and Karnal districts of the Punjab. In the Meerut Division the area annually under oats is 5,000 acres and in Rohilkhand 3,000 acres. The total area under the crop in the 30 temporarily-settled districts of the North-West Provinces and Oudh, including of course the two divisions just mentioned, is returned at 9,781 acres. In the Punjab it is grown chiefly in connection with the Government cattle and stud farms at Hissar and Karnal. Oats are grown as a rule on the better class of soils near village sites. Messrs. Duthie and Fuller write: "With a copious supply of water it has been found that oats are an invaluable green fodder crop for the cold season, yielding as many as three cuttings, and then making sufficient

cattle farm. When grown in this manner they class rather as a green fodder than as a grain crop."

When grown for grain the outturn is (in Northern India) 18 maunds on irrigated and 10 maunds on unirrigated land, per acre.

growth to bear a thin crop of grain. A large area under oats is most successfully treated in this way each year at the Hissar Government

#### AVICEN-NIA.

The figures in the following table will show the quantity and value of exports of oats made in the year 1882-83 from Bengal and Bombay to other countries:-

Exported from.	Quantity in cwts.	Value in rupees.	Countries to which exported.	Quantity in cwts.	Value in rupees.
Bengal	57,782	1,96,853	Mauritius Arabia	55,285 6,594	1,86,522 15,847
Bombay	8,924	21,625	United Kingdom Australia Other countries	2,253 1,778 796	5,514 7,500 3,095
TOTAL .	66,706	2,18,478	TOTAL .	66,706	2,18,478

The produce probably comes from the northern parts of the Punjab and the North-West Provinces.

#### AVERRHOA.

### 07

## Averrhoa Bilimbi, Linn., Geraniace E.

BILIMBI TREE.

Vern.—Bilimbi, BENG., HIND.

Cultivated in gardens on the plains of India. It flowers in the beginning of summer and ripens in about two or three months after. The fruit is cylindrical, about two inches long, and pulpy, and is very sour when green but loses some of its acidity when ripe.

The fruit is generally used in pickle and in curry. The flowers are

made into preserves.

### 98

### A. Carambola, Linn.

Veen.—Karmal, HIND.; Kámrángá, BENG.; Karmurunga, SANS.; Khamaraka, karamara, Bom.; Khamrak, DEC.; Tamarta, TAM.; Karomonga, TEL.

A small tree with sensitive leaflets, 15 to 20 feet in height, a native of Ceylon and the Moluccas, but now common in gardens almost throughout

the plains of India.

It blossoms in the rainy season, and the fruit, which ripens in December and January, is about three inches long, and is eaten raw to a small extent by the natives. The flesh is soft, juicy and refreshing. It is some times stewed in syrup with a little cinnamon and is then very pleasant; it is also made into an agreeable jelly.

## AVICENNIA.

## 99

## Avicennia officinalis, Linn., VERBENACEE.

THE WHITE MANGROVE.

Vern.—Bina (Bani in Gamble), BENG.; Mada, nalla-mada, TEL.; Tivara,

SIND.; Oepata, MAL.; Thamé, BURM.

A small tree or shrub of the salt marshes and the tidal forests of India and Burma, found also in Andaman Islands. Roxburgh says it is common near the mouths of rivers, where the spring tides rise; also is found everywhere in the Sunderbans, often becoming a tree of considerable size, but on the Coromandel Coast it is only bush.

SA. The kernels are bitter but edible.

A remarkable feature of the Mangrove is the germinating of its seeds in the fruit, while still hanging on the tree, and producing a root, 3 or 4 feet long, which ultimately falls into the mud and forms a new centre.

## BACCAUREA,

## Baccaurea sapida, Mull.-Arg., Euphorbiace.

RAMLEH.

Vern .- Lutco, HIND.; Kala bogoti, NRPAL; Latocku, ASS.; Kali, buki, KAN.; Kanaso, BURM.

A small tree, met with in Bengal, Burma and the Andaman Islands. It produces a fruit of the size of a large gooseberry, yellow and smooth, with seeds embedded in a pulpy aril. It is acid and pleasant. The natives esteem it. In the Rangoon market it is generally plentiful.

## BALANITES.

## Balanites Roxburghii, Planch., SIMARUBEE.

Syn.—B. ÆGYPTIACA, Delile.

Vern.—Hingu, ingua, hingol, hingota, HIND.; Garrah, GOND; Gari, ringri, Tel.; Nanjunda, TAM.; Hingan, MAR.

A small tree growing in the drier parts of India and Burma. The young twigs and the leaves are browsed by cattle.

## BALLOTA.

## Ballota limbata, Benth., LABIATE.

Vern.—Bui, phátkonda, lana, aghsan, awani-buti, PB.

A small, prickly shrub with yellow flowers: occurs in the north-western parts of the Punjab plains. Browsed by goats.

#### BAMBUSA.

## Bambusa arundinacea, Rets., and other species, Granines.

THE BAMBOO.

Vern.—Bans, Beng.; Bans, kattang, magar bans, nal bans, Hind.; Mandgay, Bom.; Vansa, Sans.; Mangil, Tam.; Mulkas, Tel.; Kyakatwa, BURM.

The common bamboo of Central and South India and Burma. Cul-

tivated in many places in North West India.

Mr. Duthie writes: - "The simultaneous flowering and subsequent dying of almost every individual plant of this species in certain districts and at certain stated times has been an interesting subject for observation. There seems to be no particular age at which the flowering takes place; the event is probably to a great extent influenced by the nature of the season." An abnormally dry season seems to promote the flowering and subsequent seeding. The plant does not seem to be able to survive the seeding.

The seed resembles unhusked rice, and is eaten by the poorer classes like that cereal. As it appears at the very season when drought occurs and other crops fail, it is of some advantage to the poor. The young shoots of some species are cut when tender, and eaten like asparagus. BAMBU

100

IOI

103

#### BASSIA.

The leaves and twigs form an important fodder, this species being largely consumed by elephants.

104

Bambusa spinosa, Roxb.

Vern.—Bur, behor bans (Duthie.)

Inhabits South India, and is cultivated in North West India. Closely allied to the preceding, with which Dr. Brandis seemed inclined to unite it.

Banana or plantain. See Musa.

Barley. See Hordeum vulgare.

### BASELLA.

105

Basella alba, L., Chenopodiace E.

Indian Spinach.

Vern .- Poi (cultivated), bon-poi (wild), Beng., HIND.; Matto-batsala, Tel. A succulent climber met with, wild and cultivated, in many parts of the damper regions of India. There are three other species, vis., B. rubra, B. cordifolia, B. lucida, commonly cultivated by the natives near their homesteads and in vegetable gardens, and sold in nearly every market

The succulent leaves and stems used as a pot-herb (made into curry) by natives of all classes.

300

Lassia butyracea, Roxb., Sapotacek.

Vern.—Chiura, chaiura, phulel, Kumaun; Cheuli, Oudh; Phalwara, HIND; Churi, NEPAL; Yel, yelpote, LEPCHA.

A deciduous tree of the sub-Himalayan tract, from Kumaun to Bhutan, between 1,500 and 4,500 feet.

BASSIA

The pulp of the fruit is eaten. The juice of the flowers is made into sugar.

107

B. latifolia, Roxb.

THE BUTTER OF MAHWA TREE.

Vern.—Mahua, mahwa, mowa, Hind.; Mahwa, mahula, maul, Beng.; Mova, mahua, Bon.; Katillipi, illupi, elupa, Tam.; Ippi, yeppa, Tel.; Madhuka, Sans.; Irup, irrip, Gondi.; Honge, Kan.; Bonam, Mal.; Moho, MAR.

The well-known Mahua tree, indigenous to the forests of Central India, cultivated and self-sown throughout the warmer regions of India.

Very gregarious and often associated with the Sál.

In the Linnaan Society's Journal there appeared an admirable report of the uses of the Mahua from the pen of Mr. Lockwood, formerly Magistrate and Collector of Monghyr, in which he urged the importance of its

introduction into Europe as a food for cattle.

The tree is of great economic importance to a very large number of the poorer natives, and has, of late, been the subject of a legislative measure in the Bombay Presidency. Mr. L. Liotard instituted certain special enquiries with regard to its economic uses, and embodied the results of his investigation in a Note, dated the 13th July 1882, published by the Government of India. As it is of importance in connection with the

BASSIA

study of the question of the resources of the people, the following summary of Mr. Liotard's Note may be reproduced here:-

Punjab.-Sub-Himalayan tracts, not particularly abundant, except in parts of

North-Western Provinces.—(1) Sub-Himalayan tracts; (2) south of Jumna tracts, on the skirts of the Vindhya plateau, abundant.

Oudh.—Fairly abundant, especially in Sub-Himalayan tracts.

Bundelkhand.—Native States common.

Bengal.-Common on the strip of country along the Satpura range, i. e., on the edge of the Central Indian plateau; and there is a fair sprinkling of the tree along the Sub-Himalayan tracts of Behar. It gradually disappears towards Calcutta and occurs only sparsely in the Madras Presidency, where it is succeeded by an allied species called B. longifolia, which stands in every way similar in its economic uses to B. latifolia.

Central Provinces.—Abundant in every district, especially on the Satpura Range. Bombay Presidency.-Very common in Guzerat and on the west of the ghats.

The tree thrives on dry, stony ground, and is seldom cultivated. It sheds its leaves gradually from February to April. The cream-coloured corolla, clustering near the ends of branches, appear in March and April, and are soon followed by the new leaf-buds. The fruits are green when unripe, and reddish yellow or orange when ripe, fleshy, one to two inches in length, with one to four seeds, which

ripen about three months after the flowers have fallen.

The tree is valued for its flowers, its fruit, and the kernel of its seed; and is of considerable economic importance to a large proportion of the poorer classes of

natives.

The flowers.—When the buds appear, the natives clear away the grasses and jungle from beneath the trees; and when the flowers fall, women and children, and sometimes men, may be seen busily occupied in the early mornings gathering in baskets large quantities of flowers. It is reckoned that each tree during the season gives from 6 to 8 maunds of flowers, varying according to the size of the tree and the nature of the season. This produce is used in two ways: (1) as an article of food, and (2) as a material for the manufacture of a spirituous liquor.

As an article of food it possesses, when fresh, a peculiar luscious taste, with an odour somewhat suggestive of mice. When dried the flavour has some resemblance to that of interior kinds of figs, and they form an important addition to the food-supply of the poorer classes of parts of the country in which the tree grows in abundance. Under the Mahratta rule it is said to have been a common practice to cut down the mahua trees in the Bhil country so as to afflict the lawless hill tribes and reduce them to straits. This shows how greatly the hill tribes of

The flowers are used either freshly gathered, or after being sun-dried. They are eaten cooked or uncooked, often with parched grain or with the seeds of the sall tree, or with leaves of other plants. Jackals, bears, wild pigs and deer are very

fond of Mahua.

For the manufacture of spirits, the flowers when dried are sold by the hill people at various rates either to the village distillers or to the baniahs, by whom they are at various rates either to the village distillers or to the baniahs, by whom they are exported. The dried flowers are immersed in water for four days; they are then fermented, and thereafter distilled. The liquor produced from a single distillation is extremely weak, ranging from 60° to 90° under proof. But a second distillation is sometimes resorted to, especially where still-head duty is levied irrespective of strength, and in this case a spirit averaging 25° below proof is obtained. The distillation is practised in the Punjab to a small extent; in Raiputana every village apparently has its spirit shop for the sale of the distilled liquor; in the North-West Provinces and Oudh the liquor is made in the eastern and southern districts and is of common use among certain classes; in the western districts of Bengal it is abundantly distilled; so also in the Central Provinces, and in parts of the Bombay Presidency, especially in the northern and southern divisions. Presidency, especially in the northern and southern divisions.

The fruit.—The fruit is sometimes eaten. In the western tracts of Bengal it is

dried in the sun and eaten in times of scarcity.

The seed.—The seed is chiefly used for the sake of the oil it contains. The kernels are taken out for this purpose from the smooth, chestnut-coloured pericarp by being bruised, rubbed and subjected to a moderate pressure. They are then ground and the oil obtained by cold expression. In the Central Provinces, the kernels are pounded and boiled and then wrapped up in two or three folds of cloth and the oil thereafter expressed. In the western tracts of Bengal and in the Central Provinces, besides being used for lighting, it forms a very inexpensive substitute of the contract of the tute for ghi. In the Rewa Kantha State of Guzerat some local trade is carried on in

#### BAUHI-NIA.

the mahua oil; and in the Ahmedabad district of Bombay it is used locally and also for export to neighbouring places.

The export of the *makua* to England has lately been made the subject of experiment. It is said to be an excellent food for pigs; but the trade, however, is not yet established, although hopes exist that it will be.

## 108 Bassia longifolia, Willd.

Vern.—Kat illupi, elupa, TAM.; Ippi, yeppa, pinna, Tel.; Hippe, KAN.; Mu, CINGH.; Kan Ban, Burm.

An evergreen tree of South India, on the Coromandel and Malabar coasts.

The economic uses of this tree in Southern India are similar to those of **B.** latifolia in the central regions of the country.

Bassorine. See Orchis mascula, ORCHIDEE.

Batatas edulis, Chois. See Ipomea Batatas, Lamk., Convolvulace E.

#### BAUHINIA.

## Bauhinia malabarica, Roxb., Leguminos x.

Vern.—Amli, amlosa, Hind.; Karmai, Beng.; Kattra, Ass.; Pulla dondur, Tel.; Choppura, Kan.; Bwaygyin, Burm.

Found in the sub-Himalayan tract, from the Ganges to Assam, Bengal, Burma, and South India.

The leaves are very acrid; but are eaten by people in Burma (Brandis).

## IIO B. purpurea, Linn.

Vern.—Rakta-kanchan, Beng.; Kaliar, Hind.; Kachnar, Pb.; Pedda-are, Tam.; Mahalay-kani, Burm.; Sarul, Kan.

An ornamental tree, 20 to 30 feet in height, met with chiefly in Bengal, Burma, North-West Provinces, and South India.

Dr. Stewart says that the flowers are used as a pot-herb in curries and that they are also made into pickles; the leaves are given to cattle as fodder.

## III B. racemosa, Lam.

Syn.—B. PARVIFLORA, Vahl.

Vern.—Kachnál, gúriál, ashta, makkúna, tthaur, dhorára, Hind.; Banraj, Beng.; Kosúndra, taur, Pr.; Dhondri, bosha, Gond.; Jhinja, Amere; Ambhola, Uriya; Ari, arro, Tel.; Ati, areka, Tam.; Hpalan, Burm.

Met with in the sub-Himalayan tract, from the Ravi eastward, Oudh-Bengal, Burma, Central and South India.

In parts of Northern India the leaves are eaten by buffaloes. The seeds are eaten by the people in some parts of the country.

## B. Vahlii, W. & A.

II2

Vern.—Maljan, malghán, malu, maurain, jallur, HIND.; Chehur, BENG.; Shioli, URIYA; Sungung rik, LEPCHA; Chanbuli, DEC.; Adda, TAM.

Found in the sub-Himalayan tract, North and Central India, and Tenasserim.

The seeds are eaten raw, when ripe, tasting like cashew-nut. (Drury.)
The leaves form plates, umbrellas, hats, bellows; the young pods are cooked and eaten by the hill tribes, and the stems form natural ropes, used in the construction of their huts.

Berbe-RIS. Bauhinia variegata, Linn. 113 Vern.—Kachnár, koliár, bariál, kurál, kaniár, kándan, khairwál, HIND.; Rakta kánchan, Beng.; Borara, URIYA; Rha, LEPCHA; Taki, NEPAL; Segapumunthari, Tam.; Kanchivalo-do, KAN.; Bwaycheng, BURM. A small tree met with on the Himalayas from the Indus eastward and in the forests of India and Burma. It flowers in February-March; the seeds ripen two months later. buds are eaten as vegetables when prepared with animal food (Drury). Beet and Beet-root. See Beta vulgaris, Moq., Chenopodiace E. BEGONIA. Begonia Rex, Puiz., and other species, Begoniacer. 114 Many species of this herbaceous plant, having succulent stems, are used as a pot-herb, and when fresh have a pleasant, acid taste. Beleric myrobalan. See Terminalia belerica, Roxb., Combretace. BENINCASA. Benincasa cerifera, Savi., Cucurbitacem. 115 THE WHITE MELON. Syn.—Cucurbita Pepo, Roxb., includes this plant as well as C. Pepo, DC. Vern.-Kumrá, Beng.; Kumra, pethá, bhúttuá, HIND.; Kumbuli, TAM.; Budidi gummadi, TEL.; Kushmánda, SANS. A climbing plant, cultivated all over India, frequently upon the roofs of huts. Supposed to be originally a Native of Japan and Java.

To distinguish it from Cucurbita Pepo, DC., the following characters may be given :- Male, flowers large, solitary, petals 5, early free, stamens 3, inserted near the mouth of the tube, anthers free, exserted; fruit 1 to 14 feet, cylindric, without ribs, hairy when young, and bright green, ultimately becoming smooth and covered with a bluish white, waxy bloom, flesh white. The white gourd melon is used in the following ways: (a) as a vegetable, (b) as a curry, and (c) as a sweetmeat called heshmi. BERBERIS. Berberis aristata, DC., and B. Lycium, Royle, Berberiden. 116 THE BARBERRY. Vern.—Chitra, chotra, dar-haldi, rasaut, kashmal, HIND.; Súmlú, simlú, kasmal, PB.; Chitra, Nepal; Chitra, sirishk, Pers. Thorny shrubs, with small, simple, spiny leaves, met with throughoue The former is found from the Sutlej to Bhutan, altitudt the Himalaya. 6,000 to 10,000 feet to the western ghats; the latter seems to be confined to the North-Western Himalaya. It is a native of Nepal. The fruit, oblong, purplish or pinkish and wrinkled, is eaten and is very palatable. The berries are dried in the sun like raisins. B. asiatica, Roxb. 117 Vern.—Kilmara, Kumaun; Mate, kissi, chitra, Nepal. Dry valleys of the Himalaya, altitude 3,000 to 7,500 feet; from Bhutan to Garhwal, Behar, or hill Parasnath, altitude 3,500 feet.

### PART VI. ]

### BOMBAX.

The fruit is used just as that of **B. aristata**, DC. and **B. Lycium** Royle.

811

## Berberis vulgaris, Linn.

Vern.—Zeirishk, kashmal, chochar, PB.

In the western half of the Himalayan range and in Afghanistan.

The dried fruits, under the name of sirish-tursh (sour currants) are ported from Cabul Herat and Kandadar into the Punish. The fruit

imported from Cabul, Herat and Kandadar into the Punjab. The fruit forms a pleasant acid preserve; and the unripe ones are pickled as a substitute for capers.

Bergera Kænigii, Linn. See Murraya Kænigii, Spr., Rutace E.

### BETA.

IIQ

Beta vulgaris, Moq., CHENOPODIACE ...

COUNTRY SPINACH.

Vern.-Palak, BENG., HIND.

Cultivated by natives to a certain extent over most parts of the country. Used as a pot-herb.

Betel leaf. See Piper Betle, Linn., PIPERACEE.

Betel nut. See Areca Catechu, Linn., PALME.

#### BETULA.

120

Betula Bhojpattra, Wall., Cupulifer E.

Indian Paper Birch.

Vern. Burj, bursal, bhuj, PB.; Shákpád, phatak, takpa, HIMALAYAN NAMES; Bhujpattra, HINL.; Phuspat, NEPAL

A moderate-sized, deciduous tree, on the higher ranges of the Himalaya, forming the upper edge of arborescent vegetation.

The leaves are lopped for cattle fodder

Birch. See Betula Bhojpattra, Wall, CUPULIFERE.

#### BŒHMERIA.

**12**I

Bœhmeria Salicifolia, D. Don, URTICACEE.

Vern.—Amrer, chenjul, sansaru, thana, siaru, pincho, shakei, PB.

A shrub generally near water in the outer Himalayan tracts of the Punjab, also in Eastern Punjab and in North West Provinces.

Browsed by sheep. The aggregated small berries yield an edible fruit. (Royle.)

### BOMBAX.

122

Bombax malabaricum, DC., MALVACEE.

Syn. B. HEPTAPHYLLA, Cav.

Vern.—Semul, shembal, semur, pagun, somr, Hind., Beng.; Simbal, sharlan, Himalayan names; Bouro, Uriya; Bolchú, Garo; Búrga, búrgú, buraga, Tel.; Illavam, pulá, Tam.; Katu-imbúl, Cingh. Letfan, Burm.; Salmali, Sans.

Throughout India and Burma, ascending the Himalayas to 4,000 feet in altitude; chiefly met with in the hotter forests of East India.

The leaves and twigs are lopped probably for fodder. The flowerbuds are eaten as a pot-herb.

### BORASSUS.

Borassus flabelliformis, Linn., PALME.

THE PALMYRA PALM.

Vern.—Tál, tála, tár, Hind.; Tál, Beng.; Potu tádi (the male tree), Penti tadi (the female), Tel.; Panam, pannie, Tam.; Tád, Guz.; Htan,

Occurring in abundance along the sea coast tracts of Southern India, also about the Dinapore Division in Bengal; elsewhere less numerous, but still common.

Cultivated throughout tropical India, and beyond the tropics in Bengal, and the southern part of the North West Provinces.

Under the head of food the following uses may be mentioned:-(1) The tree on being tapped yields juice which, before sunrise, is sweet and agreeable to the taste, and is then either drunk or made into sugar by boiling down and drying by exposure. In the Madras Presidency the quantity of jaggery sugar made from the juice of the palmyra palm is very considerable. After sunrise the juice rapidly ferments, and is then converted into toddy, and used as an intoxicating drink.

(2) The tree flowers in the beginning of the hot season, and produces in bunches large fruits about 3 inches in diameter,—which are green when unripe, and black on the outside when ripe. They contain three hard seeds. "The fruit, when young and green, is carefully plucked and cut open, and the immature seeds are cut out of the fleshy part of the fruit with a sharp dao. Each seed then forms a thin soft, pulpy shell filled with juice. They are taken to the bazars for sale or sold by street hawkers, and are much relished by natives of all classes. They are known as talsans in Bengal. They are cool and refreshing. They are sometimes cut into small pieces, sugared adnt flavoured with rose water. Prepared in this way they form one of the most refreshing and pleas-

"A certain number of the fruit ripens on the trees. Their seeds then become hard and are of no use except for reproduction; the pulp inside the hard shell is the part then eaten. It has a peculiar odour, and is sweetish; it is either eaten raw, or is mashed and strained with a little flour and sugar, completely mixed up to form a mass which is then made into small flat cakes and fried in ghi or mustard oil; the cakes are known as peetahs."

"The young plant is used as a vegetable, and is made into curry or

preserve or pickle, but not commonly."

ant delicacies for the hot season.

#### BOUCEROSIA.

Boucerosia edulis, Edge., ASCLEPIADEE. See Caralluma edulis, Benth.

#### BOUEA.

Bouea burmanica, Griff., Anacardiace E.

Vern.-Meriam, mayan, Burm.

A moderate-sized, evergreen tree of Burma and Andaman Islands. The tree has an edible fruit for which it is often cultivated.

#### BRASSICA.

Brassica, a genus of Cruciferae, exceedingly important to man. are about 80 species known, and nearly all are now almost entirely in a 123

state of cultivation. They are antiscorbutic, and, it may be stated that no plant with a four-merous condition of the corolla, and with four long and two short stamens, is known to be poisonous. These are the eye-marks of the Cruciferee, a family which yields the majority of the vegetables used by the inhabitants of temperate countries. Of the cruciferous genera, Brassica is the most important. To it belongs the mustard, the cabbage, the cauliflower, the broccoli, the borecole, the radish and the turnip, with their innumerable varieties. The following are the important Indian wild or cultivated species, with their principal culinary forms.

#### 125

# I. Brassica alba, H. f. & T. T.

THE WHITE MUSTARD.

Vern.-Siddhartha, SANS.

This is the plant which yields the so-called White Mustard. It is by no means a common plant, but may be recognised by its spreading pods, few seeded, with a long empty beak. See B. Nigra.

#### Properties and Uses.

The leaves, eaten when young.

The seeds, large and white.

The flour, rarely used alone.

The oil, little known.

The plant is also used as salad, the seeds being sown thickly, and the young seedling plants being cut when about 2 inches high. The cake much used in Europe, to feed sheep. The white mustard oil cake is regarded as fattening for sheep. The black oil cake is not considered so good for this purpose.

#### 126

# 2. B. campestris, Linn.

To this species belong the Turnip and a group of plants closely related to the Mustard. These are generally known as Rape, Coleseed, Colza, Sarson, &c. It may be as well to refer the cultivated series of forms belonging to this species to their respective botanical varieties.

See Rape.

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# Var. I, campestris proper, (var. dichotoma, Duthie and Fuller.)

THE COLZA, WILD NEVEW, NAVATTEE; THE SWEDISH TURNIP, and SARSON, Eng.; CHOU DESCHAMPS, NAVETTEE, Fr.

Syn.—Sinapis dichotoma, Roxb; S. Brassicata, Roxb.

Vern.—Kali sarson or serson, sursi, jariya, lahsta, laita, jadiya, Hind.; Surshi or sursi, sanchi, kali-sarson, sada-rai, Beng.; Sarshapa, Sans.

# Properties and Uses.

Leaves used for culinary purposes, the ground ones being more or less hairy,

Seeds, small, smooth, light brown, form oil cake for feeding cattle.

Colza Oil is used by the natives of India chiefly to anoint the body

and for illuminating purposes.

This includes the Swedish Turnip, the Colza or Wild Nevew and many other forms, amongst which may be mentioned the Sarson or the plant to which Roxburgh gave the name of Sinapis dichotoma. This may be called the Swedish Turnip and Colza series.

See Colza under Rape.

Var. 2, Napus.

RAPESEED, NEVEW, or COLESEED, Eng.; CHOU-NAVET, Fr.; DER RUBEN, KOHLRAPSANT, Ger.

Sub-var.—GLAUCA (var. Duthie and Fuller.)

yn.—Sinapis glauca, Roxb.

Vern.—Sarson, sarson-sard, bang-sarson, pila-sarson, rara-rada, rara-sarson, Hind.; Shwet-rai, Beng.; Rajika, Sans.

Properties and Uses.

The leaves are used for culinary purposes, the ground ones being quite glabrous.

Pods very thick, \frac{1}{8} to \frac{1}{8} inch length, seeds round, smooth and white,

occasionally coloured.

The oil is superior to the preceding and much used in diet and in anoint-

ing the body before the daily ablutions by the natives.

The various forms of what may be called sarson are generally cultivated as mixed crops. This, which is a convenient or commercial section, practically includes the forms which we have referred to Campestris proper as well as sub-variety glauca.

In the North-Western Provinces and Oudh, sarson is very seldom grown alone, but is sown in greater or less quantity in nearly every field of wheat and barley, chiefly in the Doab districts lying between Meerut and Allahabad, but the exact area cannot be stated; the outturn of seed is from 1½ to 2 mds. per acre.

Sub-var. toria (var. Duthie and Fuller).

Syn. - SINAPIS GLAUCA, Royle.

Vern.—Tori, toriya, khetiya, also dain, and dain-lai, HIND.; Tuverica, SANS.

Properties and Uses.

The leaves, used for culinary purposes, the whole plant glabrous. Pods rather slender 1½ to 1½ long; seeds small; roundish or semicompressed, reddish brown.

The oil, not known.

This plant is as a rule grown alone; it is produced in the greatest abundance in the districts which border on the Himalayan Terai; and in the North-Western Provinces and Oudh, occupies annually about 35,000 acres in the 30 temporarily-settled districts, yielding 4 to 6 maunds of seed per acre.

General Account.

Roxburgh's three species (S. dichotoma, glauca, brassicata), and S. glanca, Royle, referred by Hooker's Flora of British India to Brassica campestris, represent individually agricultural products of the greatest importance to India. They would seem sufficiently distinct to have justified their retention at least as varieties, very much corresponding to the original species. The natives display a highly-developed power of observation in this direction; they have long become perfectly familiar with these plants, and can as a rule name them with unerring certainty.

Since writing this account we have, through the kindness of the authors of the Field and Garden Crops of the North-Western Provinces and Oudh, seen the proof sheets of Part II of that work, and find that they write that "from an agricultural point of view the varieties of B. campestris may be classed under two heads, one including all those known as sarson, and the other including the variety known as lahi or toria. These are distinguished very sharply in their method of cultivation."

Whether or not it be correct botanically to sub-divide the Indian forms of B. campestris into two sections resembling Rape and Colza, and to identify these sections with the corresponding European forms, it

cannot be doubted that such a classification will serve a commercial purpose. It will separate the oil which in Indian commerce is called Rape Oil, from that which should receive the name of Colza, as well as both these from Mustard Oil, and the other oils obtained from the remaining members of this genus. It will be enough, however, to suggest this separation; subsequent research may reveal further corrections and sub-divisions, for there are many points which it is difficult to settle definitely in the present state of information. Perhaps the only botanical character that could be cited in support of the proposed separation is the glabrous nature of the ground leaves of the forms above referred to as Navet (Rape), and the more or less hairy ground leaves of S. dichotoma, corresponding with those of Navette (Colza). The seeds in the former are smooth and white, in the latter smooth or rough, but dark coloured. Rape Oil (S. glauca) is regarded as better in quality than (Colza Oil) the oil from S. dichotoma, the latter being used chiefly to anoint the body, while the former is largely used in cookery and is exported to Europe for illuminating purposes, and in the India rubber manufactory. It is probable that in the trade returns of the exportation of Rape Oil and Seed from India, both the above are included as different qualities of Rape, if not also the oil expressed from B. juncea and Eruca sativa.

In his Punjab Products, Mr. Baden-Powell has apparently mistaken these plants; he identifies Sarson or Rape with Sinapis juncea, Mustard with S. campestris, of which he apparently views S. alba and nigra as varieties. Regarding Mr. Atkinson as correct, I have in substance followed his admirable division. See MUSTARD.

In European commerce Rape and Colza oils are synonymous or nearly so, and the separation here recommended of the probable corresponding Indian forms has been deemed advisable chiefly with a view to more clearly identifying the Indian oils allied to Mustard. Simmonds in his Tropical Agriculture (1877) remarks of Indian so-called Rape Seed, that "the prices in the London market in the beginning of 1877 were, for Calcutta brown, 50s. 6d. to 60s. per quarter, and for Ferozepore, 50s." Under Mustard he seems to include S. chinensis, S. dichotoma, S. pekinensis, S. ramosa, S. glauca and S. juncea as the mustard-yielding species of Asia. The majority of these plants are those which yield the so-called Rape Seed as exported from India, Brassica (Sinapis) juncea alone falling within those pronounced to be Mustard. In fact it is probable that the within those pronounced to be Mustard. bulk of the seed exported as Mustard is obtained from B. junces and not from B. alba and nigra, the true Mustards.

"In India Rape Seed is very commonly sown mixed with Mustard Seed, and almost as an auxiliary with grain crops. It prefers loams, and does not thrive on clay soils. The sowing takes place in October, and the harvest in the following February, the plants being cut somewhat prematurely, otherwise the pods would burst, and much of the seed be lost. The latter is ripened by exposure to the sun for 3 or 4 days on the threshing-floor, and is then easily dislodged." "The Indian seed known as 'Guzerat Rape' largely crushed at Dantzic, is found to yield 31 per cent. more oil than European seed, and leaves a cake richer in fatty matter and albuminoids; it is shipped from Bombay and brings the highest

price of any." (Spons' Encycl.)

The North-Western Provinces export a large quantity of Rape Seed, and the trade centres at Cawnpore. The following figures show the railway-borne traffic in Rape Seed in 1881-82:

Exports to Calcutta other places	:	:	:	:	:	Mds. 11,75,463 6,13,882
	Total	expo		•	•	17,89,345

BRASSI-CA.

When fodder gets scarce the Rape crop is sometimes cut green and given to cattle.

The following table will show the Exports of Rape Seed to other countries by Sea during the six years ending 1881-82:—

		Y	ears.				Quantity in Cwts.	Value in Rupees.
1877-78							3,193,488	1,91,84,378
1878-79				•			2,165,475	1,36,67,869
1879-80		•					1,380,572	85,37,717
1880-81	•	•		•	•	-	1,255,580	67,10,338
1881-82							1,935,621	1,03,19,272
1882-83				•		1	2,821,420	1,57,05,233

The following analysis of the exports of Rape Seed for the year 1882-83 shows the Presidencies or Provinces whence exported and the countries to which consigned:—

Presidency or province.	Quantity in Cwts.	Value in Rupees.	Country to which exported.	Quantity in Cwts.	Value in Rupees.
Bengal . Bombay . Sind Madras .	1,529,889 779,052 480,362 32,117	74,63,415 49,47,430 31,43,780 1,50,608	United Kingdom Belgium France Germany Holland Italy Spain Egypt Other Countries	1,392,628 478,580 810,199 1,932 3,001 3,610 2,668 128,783	69,18,218 30,06,442 49,74,926 10,626 18,560 22,854 17,679 7,35,800
TOTAL .	2,821,420	1,57,05,233	TOTAL .	2,821,420	1,57,05,233

The foregoing remarks will show that it is impossible to determine at present how far the exports of the so-called Indian Rape Seed correspond to exports of the forms of B, campestris alone (the true Rape), or include B. juncea (Indian Mustard) or even Eruca sativa, and that it is next to impossible to know what is meant by Mustard, and what by Rape, in our trade returns.

### Var. 3, Rapa.

THE TURNIP.

Vern:-Shalgam, HIND., BENG.

# Properties and Uses.

The young leaves, used as food. The root, largely used as food.

The seeds are used for reproduction.

The common cultivated Turnip may almost be said to be acclimatised in India, and to have gained great favour with the natives as a vegetable. The Brahmans and Baniyas have a prejudice against it from a suspicion of its relation or resemblance to beef or animal matter.

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# 3. Brassica juncea, H. f. & T. T.

THE RAI OF INDIAN MUSTARD.

Syn.—Sinapis ramosa, Roxb.; S. Cuncifolia, Roxb.; S. rugosa, Roxb.; S. NURCEA, Linn.

Vern.—Rai, sarson, sarson-lahi, gohna-sarson, bari-rai, barlái, bádshahi lae, shahsada-rai and khas-rai, HIND.; Rajika, SANS.

#### Properties and Uses.

The leaves are used as a vegetable.

The seeds, small, round, dark, may be called Indian Mustard seed. The seeds ground into flour are used largely as an adulterant with the true Mustard.

The oil, clear, not rancid, are largely eaten by the natives with their curries, &c. Roxburgh apparently regarded this oil as inferior to Rape Oil.

General Account.

This plant may be called Indian Mustard; in point of structure it is perhaps more nearly allied to the true Mustard than to any other member of the genus. Its properties seem also very similar, and in fact it is largely used to adulterate, or as a substitute for, Mustard in the preparation of the flour. The oil is of a much purer kind than that from B. campestris; it has not the peculiar rancid smell characteristic of Rape and Colza; it is clearer in colour and used almost entirely as an article of food, being the oil most generally used in the plains of India for that purpose. The seeds are small, round, dark brown and pitted or rugose. About 15 to 20 occur in each cell of the pod, and in these respects B. juncea seems recognisable from the other members of the genus, most of which have large light-coloured or yellow seeds, generally smooth, with rarely more than half the number of seeds in the pod. The seeds, whole or broken, are often used to flavour curries.

In the North-West Provinces and Oudh generally grown in borders of fields of wheat, barley or peas, sometimes broadcast at the rate of about 3 lbs. per acre, when its outturn is 3 to 4 maunds of seed to the acre. The

oil yielded is one-fourth the weight of the seed.

In Kumaun the plant is cultivated chiefly for its leaves which are

eaten as a vegetable (Atkinson).

When the supply of fodder happens to run short in January or February, the Mustard crop is cut green and given to cattle.

4. B. nigra, Koch.

The Black of True Mustard, Eng.; Moutarde Noire, Fr.; Mustert, Seufsamen, Ger.; Senapa, It.; Mostarda, Por.

Syn.—Sinapis erysimoides, Roxb.; Sinapis nigra, Linn.

Vern.—Rai, kali rai, lahi, benarsi, jagrai, asl-rai, ghor-rai, makara-rai, &c., Hind.; Rai sarisha, Beng.; Kadagho, Tam.; Avalo, Tel.; Ganaba, Cingh.; Kiditsai, Chinese; Rajika, sarshab, Sans.; Sirshaf (the name by which it is known in Indian hospitals), Pers.; Khirdal, Arab.

This may be distinguished from B. alba by its stem clasping or adpressed and nearly glabrous short pods.

Properties and Uses.

The leaves, petioled and lyrate. They are used for culinary pur-

The seeds, large, oblong, and dark-coloured.

A bland oil, expressed from the seeds, used for various economic purposes; also used by native doctors medicinally.

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The flour, used medicinally as a poultice and counter-irritant, In Japan and China it is regarded as of great importance. An essential oil, obtained through the action of water.

#### General Account.

The majority of the plants, to which Europeans in India give the name of Mustard, should be transferred bodily to Rape and its associates, to which they are certainly much more nearly allied. The true Mustard is very scarce in India, and seems to have been introduced. Ainslie fixes its introduction within the present century, and the first time Roxburgh saw the plant was when raised from seeds sent him from the Wynaad in South India. It is nowhere extensively cultivated, but is met with chiefly on the hills, and it is more than probable that it existed on the Himalayas from remote times, although unknown to the fathers of Indian botanical science It is quite likely that the ancient Sanskrit writers had not seen the true black and white Mustard, and that the word rajika may have originally denoted a form of Brassica juncea and the word siddhartha a form of B. campestris. Now-a-days these names are chiefly applied to the true black and white Mustard B. nigra

and B. alba respectively.

The leaves are eaten green as a cress. The seeds are ground into what is known as Mustard Flour. The French Mustard Flour is much darker in colour than the English, because the seeds are not first husked. It is much more acrid and pungent, for the husk contains the principal store of pungency. Mustard Flour is never prepared in India, or, at all events, never used as a condiment, except in making pickles from green mangoes and other sub-acid fruits. The seeds are ground and used as a poultice, and the expressed oil is also used medicinally. In Japan and China, Mustard is regarded as a medicine of great importance. The ancient Hindus do not appear to have known the Essential Oil of Mustard. This oil does not exist in the seeds originally, but is chemically produced by the action of water, as, for example, when a seed or a little of the flour is put into the mouth. Chemically, mustard seeds consist of a bland fixed oil (obtained by pressure) and a peculiar inodorous substance called Myroncic acid, together with a third substance which has been called Myrosyne. By the action of water upon these substances the Essential Oil is produced, which is known chemically as Pyrosyne.

White Mustard is much inferior commercially, but is generally mixed with the black Mustard. It is said to be cultivated at Ferozpur but is scarcely known in India. The white oil cake is a valued food

for sheep.

CI

In the preparation of Mustard Flour the relative quantities of black and white mustard used are commonly two parts of black to three of white, but the proportions vary. In Russia B. juncea is ground into Mustard Flour, and so may most of the other Indian species; but they yield an inferior article to the true Mustard Flour of commerce, and, as already indicated, their true position is with the Rape and Colza of Europe. It is much to be regretted that the true Mustard Oil, B. nigra and B. alba, the Rape Oil (B. napus or in India B. glauca), the Colza Oil, B. campestris, proper, or in India B. dichotoma, and the oil from B. junces, if not also the oil from Eruca sativa, have become so hopelessly confused in our trade reports under the common name of Rape Oil or Rape Seed. A considerable injury has thereby been done, and a check given to the development of foreign trade in these oils and seeds. It will require time and careful observation to remove this fully and to identify and distinguish the commercial products.

#### **BRASSI-**CA.

be very great; from the confusion referred to above, it is impossible to arrive at any very definite information, as it is impossible to determine how far the term "Mustard" may be confined to the products of Brassica alba and nigra. It is chiefly cultivated in the hills and used in medicine or for culinary purposes. In the official catalogue of the Paris Exhibition of 1867, it is stated that 3,000 tons of flour, equal to 2,000,000 francs worth, were annually produced in France.

The annual Statement of the Trade and Navigation of British India with Foreign Countries gives the following figures as the exports from India for the past five years under the head of "Mustard":—

Exportation of Mustard.

	Y	ears.				Quantity in Cwts.	Value in Rupees.
1877-78						7,782 5,016	49,777
1878-79			•	•		016و5	33,876
1879-80			•	•	•	2,369	15,181
1880-81				•		17,448	1,03,240
1881 82			•	•	•	24,346	1,44,508

The following analysis of the exports of Mustard for the year 1881-82 is interesting as showing the relative quantities produced in these provinces, and the more important foreign countries to which it was exported:-

Presidency from which exported.	Quantity in Cwts.	Value in Rupees.	Country to which exported.	Quantity in Cwts.	Value. in Rupees.
Bengal . Bombay . Sindh . Madras .	1,287 21,792 920 347	7,067 1,29,970 5,497 1,974	United Kingdom . France	13,230 6,778 1,449 2,401 223 265	80,883 38,819 8,032 14,197 1,196 1,381
TOTAL .	24,346	1,44,,508	TOTAL	24,346	1,44,508

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# 5. Brassica oleracea, Linn.

THE CABBAGE.

To this species belong the Cabbage and all its associates, supposed to have been produced by cultivating the European Wild Colewort or Wild Cabbage.

The following are the principal cultivated forms:-

B. (oleracea) sylvestris—The Wild Colewort.
B. (oleracea) acephala—The Green Kale or Borecole.
B. (oleracea) bulleata—The Savoy Cabbage.

B. (oleracea) gemmifera—The Brussels Sprout.

B. (oleracea) capitata—The Red and White Cabbage.

B. (oleracea) caulo-rapa—The Turnip-stemmed Cabbage or Kobh

B. (oleracea) botrytis—The Cauliflower and Broccoli. For fuller details see CABBAGE.

1 oous, 1 oou-stuffs, una 1 ooutrs.	
·	BROMUS.
6. B. quadrivalvis, H. f. & T. T. See B. trilocularis, H. f. & T. T. The seeds.	133
7. B. tournefortu, Gouan.  Is said to be cultivated between Ajmir and Delhi, but is unknown commercially. The flowers are pale yellow, and the seeds large and compressed.	134
8. B. trilocularis, H. f. & T. T. and B. quadrivalvis, H. f. & T. T. Seeds.  Will probably prove to be cultivated forms of B. campestris, nearly allied to S. glauca, Roxb. The seeds are large and white. An interesting series of specimens have been placed in the Calcutta Botanic Gardens prepared by Mr. Duthie, Superintendent of the Botanic Gardens, Saharanpur. These seem to prove that the number of the valves in the fruit is of little or no importance, and depends more upon treatment than upon specific peculiarities.	135
Bran.  A coarse product of wheat, separated from the latter in the milling process. See Triticum sativum.	136
Bread fruit tree. See Artocarpus incisa, Linn., URTICACE.	
BRIEDELIA.	
Briedelia montana, Willd., Euphorbiace.  Vern.—Kargnalia, khaja, geia, kusi, HIND.; Geio, Nepal.; Kaisho, Ass.;  Patenga, Tel.  A moderate-sized, deciduous tree of the sub-Himalyan tract from the Jhelum eastward, ascending to 4,000 feet, Oudh, and Bengal.  The leaves are lopped for cattle fodder.	137
B. retusa, Spreng.  Syn.—B. Spinosa, Willd.  Vern.—Pathor, mark, Pb.; Khaja, kassi, Hind.; Lamkana, angnera, Rajputana; Kosi, Uriya; Muluvengay, kamanji, Tam.; Tsichyee, Burm.  A large, deciduous tree of the sub-Himalayan tract, from the Chenab eastward, ascending to 3,600 feet, Oudh, Bengal, Central and South India, Burma, especially in Assam, the Circars and Travancore.  The fruit is eaten, and the leaves cut to feed cattle.	138
Brinjal. See Solanum melongena, Linn.	
BROMUS.	
Bromus asper, Linn., Graminer.  Hairy-stalked brome grass.  A perennial grass found in North West Himalaya. A good fodder grass for tracts sheltered by woods.	139

#### BUPLEU-RUM. 140

Bromus schaderi, Kunth.

PRAIRIE GRASS OF AUSTRALIA.

Syn.—CEROTOCHLOA PEDULA, Schrad.

Recently introduced for trial cultivation in the Botanical Gardens at Saharunpur and elsewhere. Mr. Duthie notes: "Mueller describes this as one of the richest of all grasses, growing continuously and spreading readily from seeds, particularly on fertile and somewhat humid soil."

Brocoli. See Cabbage.

Brussels sprout. See Cabbage.

### BRYONIA.

141

Bryonia laciniosa, Linn., Cucurbitacer.

BRYONY.

Vern. - Gargu-naru, Hind.; Mala, Beng.; Nehoe-maka, Mal. Throughout India from the Himalaya to Ceylon. The leaves are boiled and eaten as greens.

B. umbellata, Wall. See Trichosanthes cucumerina, Linn.

#### BUCHANANIA.

142

Buchanania latifolia, Roxb., Anacardiace.

Vern.—Chirauli, PB.; Achar, char, chironji, C. P.; Pidl, payala, GARH-WAL; Pidr, OUDH; Charwari, HYDERABAD; Kat mad, aima, TAM.; Chara, morli, Tel.; Pyal, charoli, Bom.; Lamboben, lonepho, mda, BURM.

A small tree of the lower mountains of India and the outer Himalaya, ascending to an altitude of 3,000 feet.

The kernels are a common substitute for almonds amongst the natives. The fruit is eaten by the hill tribes of Central India. The kernels are largely used in sweetmeats.

Buck-wheat or Brauk. See Fagopyrum esculentum.?

Buffalo Grass or Gama Grass. See Tripsacum dactyloides.?

Bullock's Heart. See Anona reticulata.?

### BUPLEURUM.

143

Bupleurum falcatum, Linn., var. marginata, Wall., Umbelliferm. Vern.—Kali sewar, sipil, PB,

Met with in the mountainous tracts of Northern India. The root is said to be eaten in some places.

CAJANUS.

#### BUTEA.

### Butea frondosa, Roxb., Leguminosæ.

Vern.—Dhák, palás, kankrei, chichra, Hind.; Palás, Beng.; Kinsuka, Sans.; Porásu, Uriva; Palási, bulyeltra, Nepal; Lahokúng, Lepcha; Porasan, Tam.; Modugu, Tel.; Muttugú, thorás, Kan.; Parás, Mar.; Pouk, pin, Burm.

Found throughout India and Burma, extending in the North-Western Himalaya as far as the Jhelum. Its bright, orange-red flowers are produced before the leaves.

The leaves are used as fodder for buffaloes and elephants.

#### Cabbage.—See under Brassica (oleracea) capitata.

The Cabbage was introduced into India by the Europeans at an early date of their occupation.

It is now cultivated throughout the country, during the cold weather in the plains, and in spring and summer in the hills. In the plains it is very largely grown in the vicinity of towns.

The natives commonly make curry with it.

Cacao. See Theobroma Cacao, Linn., STERCULIACEE.

Caden. See Phoenix sylvestris, Roxb., PALME.

# CAJANUS.

# Cajanus indicus, Spreng., LEGUMINOSE.

PIGEON, NO-EYE OF CONGO PEA, OF DHAL.

Syn.—C. FLAVUS, DC.; C. BICOLOR, DC.

Vern .- Arhar, thor, thur, dal, N. W. P. and OUDH; Arhuku, SANS.

Native apparently of equatorial Africa (DeCandolle). Cultivated in most parts of India, and wherever cultivated, forms an important article of food.

There are two chief varieties: C. flavus, with the pea plain yellow and known in the vernacular as thor, and C. bicolor, with the pea veined with purple and known as arhar. The latter is the one most commonly cultivated in the North West Provinces and Oudh, while in the Central Provinces and the Deccan thor takes the place of arhar, In the North West Provinces and Oudh, arhar is grown mostly as a subordinate crop along with juar, bajra and cotton, and also singly to a comparatively much smaller extent. Hence, when it is grown along with other crop the soil on which it is grown requires to be chosen and prepared in a way answering the purpose of the other principal crop. When sown with juar it requires the heaviest, and when with bajra the lightest, of the soils in the Provinces; but a light, moist soil is generally favorable for its growth, for then it can strike its roots freely into it. About 6 seers of seed are required for an acre if sown singly, and 2 seers when along with other crops. It is sown at the commencement of the rains, and is reaped in March or April, with an average outturn of 7 maunds of grain and 16 maunds of bhusa per acre off land on which arhar is the only crop, and of 1 to 5 maunds when grown along with other crops.

The leaves are considered to be an excellent fodder; the stalks are used for roofing, basket-making, and the tubular wicker-work fascines (bira or ajar) used to line wells to prevent the earth from falling in.

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CALO-PHYL-LUM.

### CALAMUS.

147

# Calamus Rotang, Linn., PALME.

THE RATTAN CANE.

Vern .- Bed, Pers. ; Bet, Beng., Hind. ; Perambu, Tam. ; Beta mu, Tel.

Met with in Bengal, Assam, South India, and Burma. It delights in rich, moist soil where there are bushes and trees for it to climb on. (Roxb.)

Flowers during the rains, and the fruit, which ripens in the cold season, consists of a fleshy substance which surrounds the seeds. The fleshy substance is eaten by the natives, who also eat the young tender shoots as a delicacy.

### CALENDULA.

148

# Calendula officinalis, Linn., Compositæ.

MARIGOLD.

Vern.—Aklel-ul-mulk.

Found in the fields of the Punjab and Sind, scarcely indigenous; Peshawar. (Aitchison). Stewart says it is called sergul in the Trans-Indus tracts where it is "common wild in some parts."

Bellew mentions the belief that when browsed by cows it increases their milk. An extract of the flowers is used for coloring butter and cheese.

### CALLICARPA.

140

# Callicarpa lanata, Wall., Verbenace E.

Vern.—Bastra, HIND; Coat comul, TAM.; Tondi teregam, MAL.

A shrub of Southern India, and the Circars.

"The bark, which is sub-aromatic and slightly bitter to taste, is chewed by the Cingalese instead of betel leaves." (Drury.)

# CALLIGONUM.

450

# Calligonum polygonoides, Linn., Polygonacer.

Vern. - Balanja, phok, phogalli (flowers), PB.

A shrub of the southern and south-western Punjab, and Sind. It has a pleasing appearance with its leafless branches and small pink flowers, which in May are succeeded by small fruit.

The shoots are relished by goats and camels. The flowers, when fallen, are gathered and used as food by the natives. The abortive

flowers are eaten either made into bread or cooked with ghee.

# CALOPHYLLUM.

**151** 

# Calophyllum Wightianum, Wall., GUTTIFERE. Syn.—C. Spurium, Chois.

Vern.—Cheroo-pinnay, TAM.; Tsiron-panna, MAL.

Found in the mountains of the western coast of the western peninsula from the Konkan to Travancore.

The fruit, when ripe, is red and sweet. It is eaten by the natives. (Drury.)

# Caltrops. See Trapa bispinosa, Roxb. ONAGRACEAL

CANARI-UM.

152

#### CAMELLIA.

# Camellia theifera, Griff., TERNSTREMIACEE.

THE CHINA TEA PLANT.

Syn .- THEA CHINENSIS, Linn. ; T. ASSAMICA, Mast.

Vern.—Cha.

A shrub with thin, grey bark, cultivated in many districts in India, especially in Kangra, Kúlu, Dehra Dun, Kumaun, Darjeeling, the Western Dúars, Assam, Cachar, Chittagong, and Hazaribagh in Northern India, as well as in the Nilgiri Hills and Ceylon.

The leaves are eaten, and a decoction of them used as a common drink.

### CANNA.

# Canna indica, Linn., Scitamine E.

INDIAN SHOT.

Vern. - Surbo-jaya, Beng.; Kullvalei-mani, Tam.; Krishna-tamarah, Tel.; Katoo-bala, Mal.; Ukilbar-ki-munker, Dec.

Several varieties common all over India, chiefly in gardens, as orna-

mental and flowering plants. Flower all the year.

Drury says "nearly all the species contain starch in the root-stock which renders them fit to be used as food after being cooked. From the root of one kind, C. edulis, a nutritious aliment is prepared; this is peculiarly fitted for invalids, not being liable to turn acid."

#### CANNABIS.

# Cannabis sativa, Linn., URTICACEE.

HEMP.

Vern.—Gánjé-ká-pér, HIND.; Ganjá, bháng, Beng.; Ganja-chedi, TAM.; Gánjari-chettu Tel.; Bhénbin, Burm.; Gulu (seeds), Chel (fibre).

The systematic cultivation of the hemp plant in Northern India is restricted to the Himalaya and the belt of country lying immediately beneath it, where it grows wild. It is generally cultivated for its fibre and the intoxicating drugs, ganjá, obtained from the immature female flowers and floral envelopes, and smoked like tobacco, and bhang from the leaves, which is macerated in water and made into a drink. Bhang also is intoxicating.

Messrs. Duthie and Fuller, writing about the Himalayan tracts within the North-Western Provinces, say that the seed is not uncommonly roasted and eaten by the hill-men, and that occasionally oil is expressed from it, and the oil cake given to their cattle. Dr. Stewart writes that on the Sutlej the seeds are roasted and eaten in small quantities with wheat.

# CANARIUM.

# Canarium commune, Linn., Burserace E.

JAVA ALMOND TREE.

Vern.—Jungli badam, HIND.

Found in the Peninsula and Malabar. Introduced into Bengal, where it was found not to thrive well owing to the rigour of winter.

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**I54** 

#### CAPSI-CUM.

Cultivated in the Moluccas for its'fruit which is a three-sided drupe, containing generally only one perfect seed, tasting somewhat like an almond. An oil expressed from the nuts, when fresh, is mixed with food in Java. Bread is also made from the nuts in the island of Celebes. If eaten fresh or too frequently they may produce diarrhoea. (Drury.)

#### CANAVALIA.

156

Canavalia ensiformis, D.C, Leguminos E.

SWORD BEAN.

Syn.—C. GLADIATA, DC.

Vern.—Makham shim, Beng.; Suffed or lal kudsumbal, Hind.; Segapu, TAM.; Tellay tumbetten kasa, Tel.

Extends along the eastern part of India from the Himalaya to Ceylon, wild or cultivated.

The young, tender, half-grown pods are used as French beans at the tables of Europeans. Natives also eat them commonly in curry.

### CAPPARIS.

157

Capparis aphylla, Roth., CAPPARIDEE.

Vern.-Kirra, kerin, karil, tenti, delha, pinju, PB.

A dense, branching shrub of the Punjab and Western India, chiefly in arid tracts. Flowers in spring and fruits in April.

Dr. Stewart says the bud is cooked fresh as a pot-herb, and the fruit is very largely consumed by the natives, "great numbers of whom go out for the purpose of collecting it both when green and after it is ripe. In the former state it is generally steeped for 15 days in salt and water, being put in the sun to ferment till it becomes acid, pepper and oil being then added. \* \* \* It is eaten to an ounce or two at a time usually with bread. The ripe fruit is generally made into pickle with mustard or other oil, to be taken with bread." The young flower-buds are preserved as pickle.

158

C. horrida, Linn.

Vern.—Hiun-garna, karoila, PB.; Karralura, OUDH; Atanday, TAM.; Adonda, TEL.; Katerni, GOND.; Gitoran, AJMERE.

Inhabits the Punjab plains.

In the southern Punjab and Sind the fruit is made into pickle.

**159** 

C. spinosa, Linn.

CAPER BUSH.

Vern.—Kabra, LADAK; Kaur, kiari, bauri, ber, bandar, bassar, PB.

This is the plant which in Europe produces the Caper. In India it occurs in the central and northern parts of the Punjab.

The ripe fruit is either eaten raw or made into pickle by the natives. Mr. Edgeworth found the buds (prepared in the style of 'Capers') to answer very well as a substitute for its European congener.

#### CAPSICUM.

160

Capsicum frutescens, Linn., Solanace E.

Spurpepper, Cayenne Pepper and Chillies.

Vern .- Lal gách marich, lal lonka morich, Beng.; Lal gách mirich, HIND. This is the most common species. It is grown on light, sandy soil in most parts of India, and very extensively so in parts of Bengal,

CARDUUS.

IÓI

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Orissa, and Madras, during the cold weather. When ripe it is generally of a bright red colour: it is then picked off the plant, laid out on mats in the sun to dry.

Every bazar has its store of these chillies, for it is one of the indispensable ingredients in native curries.

Capsicum minimum, Roxb.

Vern .- Dhan-morich, Beng.; Dhan-mirich, HIND.

A very small "chilly," grown to a limited extent, and very hot. It is rarely used by natives, but by Europeans it is steeped in vinegar, mixed with salt, and used as a seasoning in stews, chops, &c.

C. grossum, Willd.

BELL PEPPER.

Vern.-Kafri-morich, BENG., HIND.

The thick, fleshy skin of this species is less hot than that of the others. Cultivated to a limited extent in gardens, chiefly for Europeans, who either use them in stews or have them opened, stuffed with certain spices, and pickled in vinegar.

CARAGANA.

Caragana pygmæa, DC., Leguminosæ.

Vern.—Tama, dama, LADAK.

A low shrub inhabiting the dry high lands of the West Himalaya. It is browsed by goats.

CARALLUMA.

Caralluma edulis, Benth., ASCLEPIADER.

Vern.—Chung, pippa, PB.

Grows in the arid tracts of the Punjab and Sind.

The stems have a semi-acid or bitterish taste, and are eaten by the poorer class of natives as a relish to their food.

Carambola. See Averthoa Carambola, Linn., GERANIACEE.

CARDAMINE.

Cardamine hirsuta, Linn., CRUCIFERE.

Found in all temperate regions of India. In Bengal it is a cold weather weed.

Eaten as water cress.

CARDUUS.

Carduus nutans, Linn., Compositæ.

THISTLE.

Vern.—Kanchari, tiso, PB.

Found in the Western Himalaya, Western Tibet; Nubra, altitude 13,000 feet.

Eaten by camels greedily. When bruised to destroy the prickles the thistles are given to cattle. They are also used as fodder in dry seasons.

### CAROXY-LON.

#### CAREYA.

167

Careya arborea, Roxb., MYRTACEE.

Vern.—Kumbi, khumbi, HIND.; Gummar, GOND; Boktok, LEPCHA; Dambel, GARO; Ayma, pailæpoota-tammi, TAM.; Buda-durmi, dudippi, Tel.; Gavuldu, Mysore; Bambway, Burm.

The genus called after the Rev. Dr. Carey, the Serampore Missionary. Found in the sub-Himalayan tract, from the Jumna eastward to Bengal, and Burma, and in Central and South India.

Blossoms during the hot season, and the seed ripens about three or four months after. (Roxb.) Fruit called khuni is eaten in the Punjab. The fleshy calyx leaves are used in Sindh for the cure of colds.

### CARICA.

168

Carica Papaya, L., Passiflorez.

THE PAPAW OF PAPAYA TREE.

Vern .- Painpai, BENG.; Papaya, HIND.; Arand-kharbusa, PB.

Commonly cultivated in most gardens throughout India, from Delhi to Ceylon. It fruits all the year round, but the fruit is most luscious during the summer.

When ripe the interior is soft, yellow and sweetish; eaten by all classes and esteemed innocent and wholesome. When green it is used by natives in curry, also pickled. A few drops of the milk of the papaw renders any meat tender.

The green fruit, when peeled, boiled, cut into small pieces, and served with sweet oil, vinegar, salt and pepper, serves as a very palatable vegetable, and is very similar to squash in taste. (Mr. L. Liotard.)

#### CARISSA.

179

Carissa Carandas, Linn., APOCYNACEE.

Vern,—Karenja, Beng.; Karaunda, Hind.; Kalaaha, Tam.; Waaka, Tel.

A small, gnarled tree found throughout India and Burma, often in gardens, and more commonly in dry, uncultivated parts. It flowers in February-April, and produces a small fruit which is grape green when young, white and pink when approaching maturity, and nearly black when ripe. The fruit ripens in July-August.

The fruit is made into pickle just before it is ripe, or employed in

The fruit is made into pickle just before it is ripe, or employed in tarts. When ripe it makes a very good jelly, for which it is cultivated in gardens owned by Europeans. The natives universally eat it raw.

Carob tree. See Ceratonia siliqua, Linn., Leguminos E.

Carrot. See Daucus Carota, Linn., Umbellifer ...

# CAROXYLON.

170

Caroxylon Griffithii, Moq., CHENOPODIACEE.

Vern.—Laghme, khar, PB.

Grows in parts of the Punjab, where it is a favourite food of camels:

CARYOTA. large quantities of this shrub are said by Edgeworth to be taken into Multan for this purpose. CARTHAMUS. Carthamus oxyacantha, Bieb., Compositæ. 171 Vern.—Kantiari, kandiara, poli, kharesa, PB. Found in the North-West Provinces and Punjab, most common in the more arid tracts. The seeds are sometimes eaten by the natives parched, alone or with wheat. C. tinctorius, Linn. 172 THE SAFFLOWER OF BASTARD SAFFRON. -Kamalottara, Sans.; Kusum, Beng., Hind., Dec.; Sendurgam, kashumba, TAM.; Agnisikha, TEL.; Hshoo, BURM. An annual, grown extensively all over India. "Poultry fatten on the seeds. An oil of a light yellow colour is procured from the seeds. It is used for lamps and for culinary purposes." (Drury.) CARUM. Carum Carui, Linn., Umbelliferæ. 173 CARAWAY, SEED. Vern.—Jira, Beng.; Zira, Hind.; Shimai-shombu, Tam.; Shimai-sapu, TEL. The plant is cultivated for its seeds as a cold season crop on the plains; also frequent on the hills. The seed is used parched and powdered, or raw and entire. In the former case it is used to flavour curries; in the latter it is put in cakes. It is also used in confectionery and in flavouring drinks. C. copticum, Benth. 174 TRUE BISHOP'S WEED; LOVAGE. **Syn.**—Prychotis Ajowan, DC. Vern.—Jowan, Beng.; Ajowan, Hind.; Oman, TAM.; Omamu, Tel. Cultivated in many parts of India for its seeds. The seeds are aromatic, and form an ingredient of the preparation known as pán. C. Roxburghianum, Benth. 175 Vern.—Chanu, Beng.; Ajmud, Hind.; Rundhani, Beng.; Asham tagam, TAM.; Ajumóda-vomaru, Tel. Often raised in gardens during the cold season for the seed which is used in flavouring curry. CARYOTA. Caryota urens, Willd., PALME. 176 Vern.—Rungbong, LEPCHA; Bara flawar, Ass.; Salopa, URIYA; Condapanna, TAM.; Jirugu, TEL.; Minbo, BURM. This graceful palm inhabits the mountainous regions of India; and flowers in summer. Roxburgh writes:—"This tree is highly valuable to the natives of the countries where it grows in plenty. It yields them,

during the hot season, an immense quantity of toddy or palm wine.

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#### CASSIA.

have been informed that the best trees will yield at the rate of 100 pints

in the 24 hours.

"The pith or farinaceous part of the trunk of old trees is said to be equal to the best sago; the natives make it into bread, and boil it into thick gruel; these form a great part of the diet of these people; and during the late famine (1830?), they suffered little while those trees lasted. I have reason to believe this substance to be highly nutritious."

The sap in some cases continues to flow for about a month. When fresh the toddy is a pleasant drink, but it soon ferments; and when distilled becomes arrack, the gin of India. The sugar called jaggery is

obtained by boiling the toddy.

#### CARYOPHYLLUS.

# Caryophyllus aromaticus, Linn., Myrtacer.

CLOVES.

Vern.—Lavanga, Beng.; Long, HIND.; Kiramber, TAM.; Lavangalu, TEL.

It is indigenous in the Moluccas. Cultivated in parts of Southern

The unexpanded dried flowers of this Myrtle tree is, under the name of Cloves, used to a limited extent as a hot spice throughout India.

The Dutch tried to restrict its cultivation to the island of Amboyna, but in the course of time it got introduced to India and other places.

Cashew-nut, See Anacardium occidentale. Linn., ANACARDIACEE.

Cassareep. See Manihot utilitissima, EUPHORBIACE E.

Cassava Bread, Tapioca. See Manihot utilitissima, Euphorbiace.

Cassia Buds. See Cinnamomum Tamala, Nees., LAURINEA.

### CASSIA.

178

Cassia Fistula, Linn., Leguminosæ.

THE INDIAN LABURNUM OF PUDDING PIPE.

Syn.—Cathartocarpus fistula, Pers.

Vern. — Amaltás, Hind.; Alash, karangal, kiár, ali, PB.; Bahava, gira-málá, Bom. and Sind.; Gurmala, Guz.; Sundali, bandarlati, Beng.; Suvarnak, Sans.; Sandari, Uriya; Raj birij, Nepal.; Sonalú, Garo; Sunaru, Ass.; Bandolat, Cachar; Kitwáli, kitoli. shimarra, sim, warga, N. W. P.; Bhawa, Dec.; Warga, Oudh; Gaggarwah, aila, karachu, C. P.; Kone, sirikone, koki, Tam.; Reylu, Tel.; Gnooshway, Burm.

Grows in the sub-Himalayan regions and throughout India and Bur-

Leaves parched are eaten for medicinal purposes.

See Cinnamomum Tamala, Nees., LAURINEE. C. lignea.

170

C. Tora, Linn.

THE FŒTID CASSIA.

Vern.—Chakunda, HIND. and BENG.; Tánkalá, kovaríya, Bom.; Tarota, DEC.; Ushit-tagari, TAM.; Tagarisha chettu, TRL.; Dan-ky-wai, BURM.; Prabanatha, SANS.

A gregarious under-shrub, from I to 2 feet in height, found everywhere in Bengal, widely spread and abundant throughout India.

CEDRELA. An annual weed, producing a small seed eaten in times of scarcity. Recently this seed was brought to notice in British Burma as worthy of use as a substitute for coffee when roasted and ground. CASTANEA. 180 Castanea vulgaris, Lam., Cupuliferæ. THE SWEET CHESTNUT OF SPANISH CHESTNUTS. "Introduced in the Himalaya, and grown in various localities, and especially in a large number of places in the Punjab and the hills of the North West Provinces, in Darjeeling and the Khasia Hills." (Gamble.) The nuts are eaten. When ground into meal they form an important article of food for the poor. CASTANOPSIS. Castanopsis indica, A. DC., Cupulifer E. 181 Vern.—Banj katús, NEPAL ; Kashiorón, LEPCHA; Serang, Ass.; Charang, GARO; Tailo, CACHAR; Nikari, SYLHET. A moderate-sized, evergreen tree of Nepal, East Bengal, Assam, and Chittagong, ascending to 5,000 feet. The fruit is eaten; it much resembles the filbert both in shape and in flavour. 182 C. rufescens, Hook f. & Th. Vern.—Dalné katús, NEPAL; Sirikishu, LEPCHA; Hingore, ASS. A very large, evergreen tree of the Sikhim Himalaya, from 6,000 to 9,000 feet. The fruit is small, but edible and of good flavour. C. tribuloides, A. DC. 183 Vern.—Tumari, kutonj, Kumaun; Musré katus, kotur, Nepal; Bar hin gori, Ass.; Kyansa, BURM. An evergreen tree met with in south-east Kumaun, Nepal, East Bengal, ascending from the plains to 6,000 feet. Also found in Chittagong and hills of Burma above 3,000 feet. The fruit is eaten. Cauliflower. See under Brassica B. (oleracea) botrytis. 184 The cauliflower was introduced by Europeans into India. It is now widely cultivated during the cold weather, and is eaten by Europeans boiled as a vegetable, and by natives cooked as curry. CEDRELA. Cedrela Toona, Roxb., Meliace E. 185

THE TOON OF INDIAN MAHOGANY TREE.

Syn.—C. SERRATA, Royle.

Vern.—Tún, HIND., BENG.; Drawi, PB.; Túpa, kudaka, Bom.; Poma, Ass.; Simal, Lepcha; Tunamarum, TAM.; Nandi, Tel.; Tundú, KAN.; Thitkado, Burm.

A tree about 50 to 60 feet in height, growing in the plains of India and lower mountains.

The seeds are used to feed cattle.

PART VI.	Economic Products of India.
CENCH RUS.	
	CEDRUS.
186	Cedrus Deodara, Loudon, Conifera.  Deodar; Himalayan Cedar.  Vern.—Nakhtar, Afg.; Diár, deodár, dadár, Kashmir, Garhwal, Kuman; Kelu, keoli, kilar, Himalayan names; Giam, Tibet.  Grows in the North-Western Himalaya.  It yields a true resin, and, by destructive distillation, an oil, dark-coloured, and resembling turpentine.  The young shoots and plants are eagerly browsed by goats, &c.
	CELASTRUS.
187	Celastrus senegalensis, Lam., Celastrinez.  Syn.—C. Montana, Roxb.; Gymnosporia Montana, Lawson.  Vern.—Sherawane, Trans-Indus; Talkar, dajkar, kharái, Pb.; Baikal gajachinni, C. P.; Mál kangoni, Bom.; Danti, pedda chintu, Tel.  A tall, spinescent shrub of the northern dry and intermediate zones, North West India, ascending to 4,000 feet, Central India, and the drier parts of the Peninsula.  The leaves are used for fodder.
	Celery. See Apium graveolens, Linn., Umbelliferæ.
	CELOSIA.
188	Celosia argentea, Linn., AMARANTACEE.  Vern.—Sarwali, PB.  A weed occurring in abundance in fields in the Punjab.  Used as a pot-herb in times of scarcity.
	CELTIS.
189	Celtis australis, Linn., URTICACEE.  Vern.—Kharak, Simla; Tagho, Arg.  A moderate-sized, deciduous tree of Sulaiman and Salt Ranges, Himalaya, from the Indus to Bhutan, ascending to 8,500 feet, Khasia Hills.  The tree is largely planted for fodder.
190	C. caucasica, Willd.  Vern.—Batkar, brumij, kanghol mirch (the fruit), PB.  A fine tree growing in the Punjab Himalayas.  The fruit, a small drupe, is eaten by the natives, who regard it as sweetish, but it has almost no flesh. (Roxb.)
	CENCHRUS.
191	Cenchrus echinatus, Linn., GRAMINEÆ.  Vern.—Dhaman, agana, N. W. P.; Basla, leá, lapta, PB.  This grass is met with in arid ground in the plains of the North West Provinces and the Punjab.

48

CHICORY.

Eaten by cattle in the hot weather; nutritious shoots are given out during the hottest season (Crooke quoted by Duthie). By some it is considered excellent fodder, by others only middling. The seeds are used in times of scarcity. (Stewart.)

#### CEPHALOSTACLYON.

# Cephalostaclyon capitatum, Munro, GRAMINEE.

Vern.—Gobia, gopi, NEPAL; Sili, sullea, KHASIA.

This "bamboo has stems 12 to 30 feet, thin, yellow, semi-scandent strong, with long internodes of about 2\frac{1}{2} feet, used for bows and arrows by the Lepchas. It is often gregarious. It flowered in Sikkim in 1874." (Gamble.)

This bamboo, when it flowers, produces, like those common in India, a rice-like grain eaten by the natives in times of scarcity. The leaves are good for fodder.

#### CERATONIA.

# Ceratonia Siliqua, L., Leguminos.

THE CAROB TREE, St. JOHN'S BEAN, OF BREAD OF LOCUST TREE. Vern.—Kharnub-nubti, PB.

A native of the Mediterranean coast, supposed by some to have furnished the "locusts" of St. John. Introduced into India with some degree of success.

The pods, full of sweet, nutricious pulp, are a common article of food in the Mediteranean for man, horses, pig and cattle, and are imported into the Punjab under the name of *Kharnub-nubti*. (*Brandis*.) They form an important constituent in the patent cattle-foods. They are supposed to be the "husks" of the Prodigal son, and the Locusts of John the Baptist.

#### CEROPEGIA.

# Ceropegia bulbosa, Roxb., var. esculenta, Edge., Asclepiadem.

Met with in the Punjab.

Tubers and leaves used as pot vegetables in Multan and Sind.

Ceylon Moss. See Gracilaria lichenoides, Greville, ALGE.

Chanay Kelengu. See Tacca pinnatifida.?

#### CHENOPODIUM.

#### Chenopodium album, L., Chenopodiacer.

Vern.—Betu-sag, Beng.; Irr, em, bathua, lunak, PB.

A weed common in parts of Northern India and Bengal, ascending the Punjab Himalayas.

Used by the natives sometimes as a pot-herb.

Cherry. See Prunus.?

Chestnut, Horse. See Æsculus indicus.?

Chestnut, Sweet. See Castanea vulgaris. ?

Chestnut, Water. See Trapa nutans.?

Chicory. See Cichorium Intybus, Linn., Composite.

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CICER.

#### CHLORIS.

196

Chloris barbata, Swartz., GRAMINEÆ.

Syn. - Andropogon Barbatus, Linn.

Vern.—Gandi, gavung, pulooah, N. W. P.; Konda-pulla, SOUTH INDIA.

Very common in Northern India and Sind; grows in large tufts on pasture ground.

Cattle eat it till in flower, after which they do not seem to touch it.

Chocolate nut or Bean. See Theobroma Cacao.

Chowlee. See Dolichos sinensis.

#### CHRYSOPHYLLUM.

197

Chrysophyllum Roxburghii, G. Don, SAPOTACEE.

THE STAR APPLE.

Vern.—Petokara, Beng.; Pithogarkh, Ass.; Hali, Kan.; Farsi, Mar.; Lawálá, Cingh.; Thankya, Burm.

An evergreen tree of Bengal, Burma, Western Gháts, and Ceylon. Fruit edible.

#### CHRYSOPOGON.

ro8

Chrysopogon acicularis., Retz., GRAMINEÆ.

Syn.—Andropogon aciculatus, Roxb.; C. aciculatus.

Vern.—Chore-kanta, Beng.; Shunkhini, chore pushpi, keshini, Sans.; Kudira-pullu, Mal.

A small, coarse grass, grows on barren, moist, pasture ground throughout Bengal, also in the North West Provinces and Central Provinces.

Cattle do not seem to like it. Its thin, straight culms, I to 2 feet high, flower, and the small sharp-pointed seeds which follow are trouble-some to those who walk through the grass, as they stick to the stockings and produce a pricking and itching sensation until removed.

200

C. gryllus, Trin.

Syn.—C. ROYLEANUM, Nees.; ANDROPOGON GRYLLUS, Linn.
Inhabits the plains and hills in the Punjab and North-West Provinces.

Mueller says it is a useful fodder grass.

Cicca disticha, Linn. See Phyllanthus distichus, Mull. Arg., Euphor-BIACEZ.

#### CICER.

200

Cicer arietinum, Linn., LEGUMINOSE.

THE COMMON GRAM OF CHICKEN PEA.

Vern.—Cholá, bút, Beng.; Chaná, chenna, Hind.; Chenuka, Sans.; Kadalay, Tam.; Sunagalu, Tel.; Kudoly, Kan.; Hims, Arab.; Nakhud, Pers.

Cultivated for its seed throughout India on any soil, from the heaviest clay to the lightest loam; but on heavy clays it is said to give the largest

CICER.

produce. It is generally sown alone, or along with wheat, or barley, or mustard. The sowing is carried on in September and October, in the different parts of the country, the rate being from 80 to 100 lbs. of seed per acre; scarcely any irrigation is required; the harvest takes place in March and April, a fortnight or so after the wheat, or barley, or mustard, with which it is sown is reaped.

In the North West Provinces and Oudh there are two varieties of grain: one a large, reddish grain, the other a small light, brown one. A very large white-grained kind known as Cabuli is also grown, but more as a curiosity than in ordinary cultivation. The area under gram in the 30 temporarily-settled districts of the North West Provinces is given by Messrs. Duthie and Fuller at about 4,270,000 acres; it is grown more in the districts west of Allahabad than in those east of it. The cost of cultivation, including rent, is stated by the authors just mentioned to be Rs. 12-13-0, and they give the figures of out-turn to be—

					Maunds of Ge	RAM PER ACRE.
·					On unirrigated land.	On irrigated land.
For gram alone . ,, ,, and barley ,, ,, and wheat	:	:	:	•	5 to 8 6 ,, 9 6 ,, 9	12 14 13

The exports of gram by sea to other countries have been as follows during the last five years:—

						Quantity in Cwts.	Value in Rs.
1878-79 1879-80				•	•	288,506	13,86,314
1880-81 1881-82	:	:	:	:	:	285,956 284,095 365,690	13,34,443 10,14,873 9,99,336
1882-83	•	•	•	•	•	312,953	8,28,647

Analysis of exportation of gram from British India for the year 1882-83:-

Provinces from which exported.	Quantity in Cwts.	Countries to which exported.	Quantity in Cwts.
Bengal	142,403 31,354 826 108,267 30,103	Mauritius Ceylon Straits Settlements Réunion Australia Other countries	164,969 56,521 29,784 29,094 25,890 6,695
TOTAL	312,953		312,953

#### CISSUS.

**201** 

# Cicer soongaricum, Steph.

Vern.-Tishu, jawani, PB.

Met with in the Western Himalayas, temperate and alpine region, altitude 9,000 to 15,000 feet; Piti, Lahoul, Kumaun, Tibet.

Said to fatten cattle quickly, and to be used as a pot-herb. The peas are eaten both raw and cooked by the people.

# CICHORIUM.

202

# Cichorium Intybus, Linn., Compositæ.

CHICORY.

Vern.—Kasni, HIND., PERS.; Kindyba, ARAB.; Kashini-virai, TAM.; Hand, gul, suchal, kasni, PB.

North-West India, Kumaun, probably an escape from cultivation.

"The young plant is in some places used as a vegetable." (Roxb.)

It is used as a salad, the young leaves being blanched like endine.

Its roots are roasted, ground, and mixed with coffee to flavour it.

#### CINNAMOMUM.

203

# Cinnamomum obtusifolium, Nees, LAURINEE.

Vern .- Tespat, Beng.; Bora singoli, Nepal; Looleng-kyaw, Burm,

A large tree of the outer North-West Himalaya, ascending to altitude 7,000 feet; Eastern Bengal, Burma, and the Andaman Islands. Leaves are aromatic; used in curry.

T----1- 37

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# C. Tamala, Nees.

Cassia Lignea or Cinnamon.

Vern.—Dalchini, kirkiria, HIND.; Tamálá, Bom.; Chota, Nepal; Dopatti Ass.

The leaves are known as Tejpat, and the bark as Taj.

A moderate-sized, evergreen tree, occasionally met with on the Himalaya, from the Indus to the Sutlej, altitude 3,000 to 7,000 feet, becoming common eastward to Bengal, Khasia hills and Burma. (Gamble.)

The bark and the dried leaves are used to flavour dishes. It is much

used to adulterate true cinnamon.

205

# C. zeylanicum, Breyn.

TRUE CINNAMON.

Vern.—Dalchini, Hind.; Karruwa, Tam.; Sanalinga, Tel.; Rassu, kurundu, Cingh.; Loolengkyau, Burm.

It is a native of the Ceylon forests, but now cultivated on the western coast of that island.

It is chiefly used as a condiment and for flavouring confectionery; also used in curry, and enters into the preparation known as pán.

#### CISSUS.

206

# Cissus carnosa, Lam., AMPELIDEE.

Vern.-Karik, girdardak, PB.

A climber found in valleys at the foot of the Punjab Himalaya and in Kashmir.

It is eaten by camels.

CITRUL-

#### CITRULLUS.

# Citrullus Colocynthis, Schrad., Cucurbitacez.

English Colocynth.

Vern.—Indrayan, Hind.; Makhal, Beng.; Indra-varuni, vishala, Sans.; Paycoomuti, Tam.; Putsa kaya, Tel.; Indrawan, Dec.; Sheti-putsa,

An annual found wild in waste tracts of North-West, Central and South India. It is the wild gourd of the Book of Kings.

The spongy seed-bearing portion of the fruit is used as a medicine; it

is intensely bitter and acts as a purgative.

The seeds, which are wholesome, are deprived of their poisonous skin and pulp, made into a paste, and eaten with dates. The young fruits are also eaten.

### C. vulgaris, Schrad.

THE WATER-MELON.

Vern.—Tarbusa, kalinda, hindwana, N. W. P.; Samanka, HIND.; Chayapula, Sans.

Cultivated very generally for its cool, refreshing fruit, especially in Upper and Northern India, and appreciated by Natives as well as Europeans. It is supposed to be the Melon of Egypt, the loss of which the Israelites regretted so much.

The fruit is large, ovoid, green, and smooth; the flesh is whitish yellow,

or red.

The seeds are compressed and variable in shape and colour; they are sometimes dried and the kernels eaten.

It is usually sown in January and February, and the fruit ripens in.

April and May.

In the North West Provinces and Oudh, it is largely cultivated, but statistics of the areas are wanting; the only districts for which figures are available are Bulandshahr, Jalaun and Meerut, and these show respectively 56, 48 and 26 acres annually.

#### var. fistulosus.

In the Flora of British India C. fistulosus has been given as a synonym to C. vulgaris, Schrad, but Duthie makes it a variety.

Vern.—Tendus, tensi, N. W. P.; Tinda, PB.; Meho, trindus, dilpasand, tinda, alvinda, SIND.

"Cultivated in Sindh from April to September, generally in the same plot of ground with common melons, gourds and cucumbers. The fruit is picked when about two-thirds grown, the size and shape of a common field turnip \* \* It is pared, cut in quarters, the seeds extracted, well boiled in water, and finally boiled in a little milk, with salt, blackpepper and nutmeg. Musalmans generally cut it into dice, and cook it together with meat in stews or curries. Hindus fry it in ghi with split gram-peas (Cicer arietinum) and a curry powder of black-pepper, cinnamon, cloves, cardamoms, dried cocoanut, turmeric, salt and asafœtida. It is sometimes made into a preserve in the usual manner. It is sometimes picked when small, cooked without scraping out the seeds, and regarded a greater delicacy than when more advanced." (Dr. Stocks in Hooker's Journal of Botany, quoted by Duthie and Fuller.)
In the North West Provinces and Oudh the tensi is cultivated in

the western districts before the rains in well-manured land, either as a sole

crop or with other vegetables, and is eaten during the rainy season.

LUS.

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CITRUS.

# CITRUS.

210

# Citrus Aurantium, Linn., RUTACEE.

THE ORANGE.

Vern.—Narangi, naringi, HIND.; Kamla nibu, BENG.; Suntala, NEPAL; Santra, PB.; Kitchli, TAM.; Kıttali, TEL.

Found wild in Western and Upper India.

Cultivated in most parts of India, especially in Sikkim and Sylhet, Punjab and Nagpur.

Sir J. Hooker, in his Flora of British India, gives three varieties under

the above species, vis. :-

1. Aurantium, proper, which he calls the sweet orange.

 Bigaradia, which he says does not seem to be cultivated in India, except in gardens, and calls it the bitter or Seville orange.

3. Bergamia, which he says is rarely cultivated in India, and calls it

the Bergamot Orange whence is got the Bergamot Oil.

The variety most common and cultivated largely in the above-mentioned tracts is the Aurantium, proper. From Sylhet it is largely imported into and distributed over Bengal, the largest quantity finding its way into the Calcutta markets. The fruit has a thin rind, and is sweet and juicy.

The orange grown in and about Delhi is on the average larger, but more spongy and thick-peeled than the preceding. The Nagpur orange

is compact, sweet and excellent.

Orange trees attain great age—upwards of 600 years,—and some have been known to produce as many as 6,000 fruits in a year, and to grow to a height of 50 feet, with a trunk 12 feet in circumference.

"The Nagpur oranges are distributed over parts of the Central Provinces, and find their way as far as Allahabad. They are excellent, and will, it may be anticipated, compete with the Sylhet orange if Nagpur be connected with Calcutta by railway lines." (Mr. L. Liotard.)

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# C. decumana, Willd.

THE SHADDOCK, OF POMELO, OF FORBIDDEN FRUIT.

Vern.—Batavi nebu, mahá nibu, chakotra.

Introduced into India from Java and into the West Indies by Captain Shaddock, hence its name. It is cultivated in most tropical countries in India, chiefly in gardens throughout the plains. It is more perfect and more common in Bengal and Southern India than in the North West Provinces.

There are two varieties; one with whitish, and the other with reddish, pulp. Besides, the individual fruits differ from one another in size, reaching 2 feet in circumference and quality according to the soil, climate and situation.

In appearance it resembles the orange. The larger ones are known as Pomeloes, the smaller as Forbidden Fruit.

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#### C. medica, Linn.

THE CITRON, LEMON, LIME.

Vern.—Beg-pura, korna-nebu, Beng.; Jambira, Sans.; Limbu, kutla, nimbu, limu, Hind.; Bijapura, mahalunga, bijori, Bom.; Elumich-champasham, Tam.; Nimma-pandu, Tel.; Nimbe hanu, Kan.; Limu, Arab. and Pers.; Thanba-ya, Burm.

Wild in Burma, Chittagong, 'Sitakund Hill,' Khási, foot of the

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COCCU-

Himalaya ascending to 4,000 feet; in the hot valleys of Sikkim, ascending to 4,000 feet.

Sir J. Hooker, in his Flora of British India, classes the different kinds of Lime into four varieties:—

Var. 1.—medica proper.

This, the Citron, he describes as having "flowers usually numerous, fruit large, oblong, or obovoid, rind thick, tender, aromatic, pulp scanty, sub-acid."

Var. 2.—Limonum.

The Lemon he describes as having "fruit middle-sized, ovoid, yellow-rind thin, pulp abundant, acid."

Var. 3. - acida.

The Sour Lime of India has "flowers small, fruit usually small, globose or ovoid, with a thick or thin rind, pulp pale, sharply acid."

Var. 4.-Limetta.

"Leaves and flowers as in var. acida; fruit globose, 3 to 5 inches in diameter, rind thin, smooth; juice abundant, sweet, not aromatic." This is the Sweet Lime of India.

All the four varieties are cultivated, to a limited extent, throughout India, chiefly in gardens; and are sold in almost every bazar.

Cloves. See Caryophyllus aromaticus, Linn., Myrtacer.

Clover. See Trifolium pratense, Linn., LEGUMINOSE.

# CEPHALANDRA,

Cephalandra indica, Naud., Cucurbitace.

Syn.—Coccinia indica, W. & A. Vern.—Kanduri, ghol, kundru, PB.

Common throughout India.

The fruit is of the size of a pigeon's egg, and of a purple color.

Dr. Stewart says that in the Punjab it is wild in the plains, and that its fruit is eaten, generally raw.

# CLERODENDRON.

Clerodendron Colebrookianum, Walp., Verbenace E.

Vern. - Kadungbi, LEPCHA.

A small, ever-green tree of Sikkim and Khásia Hills, 3,000 to 6,000 feet.

The young leaves are eaten by the Lepchas.

### COCCULUS.

Cocculus Leæba, DC., Menispermace E.

Vern.—Hlar, vallur, vehri, parwatti, perkhatuna, PB.

An extensive climber of the drier zones, especially of West India. On the Trans-Indus, Stewart says, it is browsed by goats but by no other animals.

... l

COCOS.

#### COCOS.

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# Cocos nucifera, Linn., PALME.

THE COCOA-NUT TREE.

Vern.—Narikel, Beng.; Nariel, HIND.; Tenna, TAM.; Narikadam, Tel.; Ong, Burm.

Cultivated throughout the outer regions of India, i. e., those near the sea coast. On the eastern and western coasts it is very abundant. There are several varieties. All flower in the hot season, and the nuts ripen in from September to November.

Under the head of food products, we must note the following:-

Cocoanut cabbage.—This is the terminal bud at the summit of the tree. It is used as a vegetable and also makes an excellent pickle.

Young cocoanut (Vern. dab).—This is the tender fruit, plucked off the tree for the cooling, sweetish, clear water, and the soft, creamlike pulp it contains. The water is drunk and the pulp eaten by natives of all classes.

Mature cocoanut (Vern. jhoona narkel).—This is the fruit in its mature state with its outer thick fibrous covering completely dried. It contains less water, but has a thicker and harder albumenous layer than the tender fruit. This is eaten with parched rice, or rasped and put into curries. It is also made into sweet-meats. An oil is extracted from it which is employed for various culinary uses, and is also exported to a certain extent. The cocoanut also yields wine and sugar. The quantity and value of cocoanut oil exported from India is given as follows during the past five years:—

		Offici	al yea	ars.		•		Quantity in Gallons.	Value in Rupees.
1878-79		•						725,852	10,07,492
1879-80	•							1,221,875	14,94,670
1880-81								1,888,122	20,90,797
1881-82	•					•	` .	1,064,575	10,78,418
1882-83	•	•	•	•	•	•	•	856,527	9,49,608

Analysis of exportation of cocoanut oil from British India for the year 1882-83:—

Provinces from which exported.	Quantity in Gallons.	Countries to which exported.	Quantity in Gallons.
Madras Bombay Bengal Sindh British Burma	845,739 8,667 1,902 169	United Kingdom . Germany . Austria . France . Aden . United States . Italy .	510,038 188,342 72,095 69,620 6,208 5,734 4,214
TOTAL	856,527	TOTAL .	856,527

COFFEA.

#### CODONOPSIS.

# Codonopsis ovata, Benth., CAMPANULACEE.

217

Vern. - Ludut, PB.

Inhabits Western Himalava.

Its large tap-root is ground into flour and eaten in Lahoul.

#### COFFEA.

# Coffea, Linn., RUBIACEE.

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COFFEE.

A small, much-branched tree, 20 feet in height, with whitish bark and white orange-like flowers that perfume the air, a native of Abyssinia.

The young fruit, which is red on ripening, is about the size of a small cherry, each containing two seeds, closely united. These, on being separated, constitute the Coffee berries of Commerce; and on being ground and roasted, the coffee of the shops.

In India, in the southern regions, Coffee arabica, the coffee plant, is largely cultivated. The other cultivated species are mentioned below since described in Flora of British India:—

C. bengalensis, Roxb., occurring from Kumaun to Mishmi, also in Bengal, Assam, Sylhet, Chittagong, and Tenasserim. Fruit ovoid-

oblong.

C. Wightiana, W. & A., of the Western Peninsula; in arid places from Coorg to Travancore. Fruit much broader than long, with a deep furrow.

C travancorensis, W. & A., occurring in Travancore. Fruit broader than long.

C. fragrans, Korth., of Sylhet and Tenasserim. Fruit much like the two last.

C. khasiana, Hook, f., of Khasi and Jaintia. Fruit 1 inch in diameter, smooth; seeds ventrally concave.

C. Jenkinsii, Hook. f., of Khási Mountains. Fruit and seeds different from the last, being ellipsoid.

These species are not, however, of any special economic importance; and very little coffee is grown in the tracts in which they are said to be found. The coffee-cultivating region is Southern India, and the enterprise there has gained much importance. It at present not only supplies most of the coffee consumed in India, but exports large quantities to other countries, as the following figures (which are those of the last five years) will show :-

Official years.							Quantities in Cwts.	Value in Rs.	
1878-79	•	•	•	•	•	•		341,186	1,54,36,427
1879-80		•					- 1	359,313	1,62,67,465
1880-81	•	•			•		٠.	369,357	1,59,96,688
1881-82		•		•	•			346,364	1,44,74,650
1882-83	•	•			•		. !	353,324	1,39,22,040

#### COLOCA-SIA.

Analysis of exportation of Coffee from British India for the year 1882-83:—

Provinces from which exported.	Quantities in Cwts.	Countries to which exported.	Quantities in Cwts.
Madras	308,576 44,711 21 16	United Kingdom France Persia Egypt Arabia Turkey in Asia	216,861 89,826 11,698 11,659 10,828 7,727
TOTAL .	353,324		353,324

The Coffee crops of Southern India and Ceylon have suffered much of late years from a disease called the Coffee Blight, which is caused by a fungus (*Hemileia vastatrix*) spreading over the leaves, whose functions it completely destroys, resulting in a failure of the Coffee crops. No cure has as yet been discovered.

#### COIX.

# 219

# Coix lachryma, Linn., GRAMINER.

JOB'S TEARS.

Syn.—C. ARUNDINACEA, Lamk.; LITHAGROSTIS LACRYMA JOBI, Gærin. Vern.—Sankroo, HIND.; Gurgur or kunch, BENG.; Kassaibija, Bom.; Kudhiá, thia (black variety), sótsá (white variety), Re-see (collective name),

Met with in the plains of the Punjab, the North West Provinces and the warm hill-sides and valleys of the Himalayas. In Bengalitis common on the rice grounds as a weed of cultivation and in ditches; it grows to the height of from 4 to 6 feet. In the Naga hills it occurs at 5,000 feet near Kohima.

Throughout Assam and the Eastern frontier of India this coarse cereal constitutes an important article of food with the hill tribes, to a large extent taking the place of the Millets used by the hill tribes of North and South India. In Burma the seeds are eaten parched like maize; it is also largely eaten by Hill Tribes in India; in South China it is used as a material for matting. The tears or grains of this and several wild or less frequently cultivated species are used like beads in the construction of earrings and other ornaments worn by the hill tribes, especially the Angami Nagas.

#### COLOCASIA.

#### 220

# Colocasia antiquorum, Schott., Aroidem.

TARO, EDDOES OF SCRATCH-COCO

Vern. - Kachú, gori-kachú, ashú-kachú, HIND., BENG.; Ghuiya, auri, N.W.P.; Alu, Bom.; Dsú, NAGA.

Met with at Kohima, in Manipur, altitude from 3,000 to 5,000 feet. Cultivated on high ground around the Naga villages throughout Manipur and the Naga hills.

The plant has large heart-shaped leaves, borne on long foot-stalks, rising from a short farinaceous corm. This corm forms an important article of food to the natives throughout India, being largely cultivated, but rarely if ever eaten from the wild state of the plant which occurs every

CORDIA.

where as a weed of damp places. The wild condition of the plant is by the Angami Nagas called Kirth.

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# Colocasia indica, Schott.

Syn.—Arum Indicum, Lour.

Vern.—Man-kochoo, BENG.

Much cultivated in Bengal, especially near the huts of the natives, in much the same way as the Ol (Amorphophalus).

Roxburgh says of this plant: "Much cultivated about the huts of the

natives for its esculent stems and small pendulous bulbs or tubers, these

being very generally eaten by people of all ranks in their curries."

There are two varieties of this plant, one with darker stems; both are propagated by the viviparous bulbules, fertile seeds being rarely if ever

produced.

### COMMELINA

# Commelina bengalensis, L., Commelinacem.

Vern.—Kanchura, kanuraka, Beng.; Chura, kanna, PB.

In the Northern Punjab plains and hills.

Leaves eaten by the poor people as a pot-herb, especially in times of scarcity. The fleshy rhizomes of some of the species of this genus contain much starch, mixed with mucilage, and are therefore wholesome food when cooked.

Conocarpus latifolia, Roxb. See Anogeissus latifolia, Wall., Com-BRETACEA.

#### CORCHORUS.

# Corchorus olitorius, Linn., TILIACEE.

Vern.—Pat, Beng.

Indigenous in many parts of India.

The leaves and tender shoots are eaten by the natives.

#### CORDIA.

# Cordia Myxa, Linn., Boragines.

SEBESTENS.

Vern.—Lasora, bhokar, gondi, HIND.; Laswara, PB.; Lesuri, SIND.
Borla, Kumaun; Bohari, buhal, Beng.; Vidi, verasu, Tam.; Thanat,
Burm.; Nimat, Lepcha.

A moderate-sized tree of the Salt Range, the Sub-Himalayan tract from the Chenab to Assam, Khási Hills, Bengal, Burma, and Central and South India.

The fruit grows in clusters and consists of a drupe, the pulp of which is soft and clammy.

"The fruit when ripe is eaten by the natives and also pickled \* \* the smell of the nuts when cut is heavy and disagreeable: the taste of the kernels is like that of filberts." (Drury.)

C. Latifolia is the larger variety, and it also is eaten by the natives.

59

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**22**3

#### CORNUS.

225

Cordia Rothii, Rom. & Sch.

Syn.—C. Angustifolia, Roxb.

Vern.—Gondi, gundui, gundi, HIND.; Liar, SIND; Narvilli, TAM. A small tree in the dry zones of North West and South India.

The pulp of the fruit is eaten. (Gamble.)

226

C. vestita, H. f. & T.

Vern.—Kumbi, karuk, PB.

Common in parts of North India.

The fruit is eaten by the natives, and is said to be sweet. It is preferred to that of C. Myxa.

#### CORIANDRUM.

227

Coriandrum sativum, Linn., Umbellifer E.

THE CORIANDER.

Vern.—Dhanyaka, SANS.; Dhania, BENG., HIND.; Kotamalli, TAM.; Danyalu, Tel.; Nan nan, Burm.

This plant is cultivated all over India. Eaten by the natives as a vegetable. The seeds are universally used as a condiment, and forms one of the ingredients in curry.

They are also used in confectionery, and for flavouring spirits.

### CORIARIA.

228

Coriaria nepalensis, Wall., Coriarieze.

Vern.—Guch, balel.

Native of Nepal, where its fruit is said to be eaten.

A small, straggling shrub of many places in the Himalaya; 2,500 to 7,500 feet in altitude.

"The branches are browsed by sheep. The fruit is very insipid but is eaten, although at times it is said to cause thirst and colic,"

#### CORNUS.

220

Cornus capitata, Wall., Cornacer.

Var.-BENTHAMIA FRAGIFERA, Lindl.

Vern.—Tharwar, thesi, PB.

A small tree met with from the Punjab Himalaya to Bhutan.

Dr. Stewart says that the ripe fruit is sweetish, and is made apparently into a preserve and eaten by the natives. The fruit resembles a strawberry.

230

C. macrophylla, Wall.

(Dr. Stewart.)

Vern .- Kasir, kachir, haleo, allian, haddu, naug, kaksh, kachur, ruchia, HIND.; Patmoro, NEPAL; Kandar, kasir, haddu, PB.

A doubtfully distinct species from Dogwood, Cornus sanguinea; common in the Punjab Himalaya. I found it in the Naga hills and Manipur.

Goats feed on its leaves, and the natives eat the fruit.

	COUSI- NIA.
CORYLUS.	
Corylus colurna, Linn., Cupulifere.  The Indian Hazel Nut.  Syn.—C. Lacera, Wall.; C. Jacquemontii, Done.  Vern.—Curri, Nepal; Langura, Bhutia; Urni, winri, thangi, jangi, shurli, banpálu, kapasi, bhotia badam, Himalayan Names. Findák, the Ps. name for the nuts.  A moderate-sized tree of the North-West Himalaya, between altitude 5,500 and 10,000 feet.  The nuts are smaller than the European variety, but are fairly as good, and are largely eaten by the natives, and brought into the various hill stations in the Himalaya.	231
C. Ferox, Wall.  Vern.—Curri, Nepal'; Langura, Bhutia.  A small tree of Nepal, Sikkim, 8,000 to 10,000 feet. The fruit is covered with a prickly cup; the kernel is edible.	232
CORYPHA.	
Corypha umbraculifera, Linn., PALME.  THE TALIPAT PALM.  Vern.—Conda-pani, TAM.; Biné, KAN.; Tala, CINGH.; Pebeng, BURM.  A tall tree of Ceylon and the Malabar coast. Cultivated in Bengal and Burma.  A kind of sago is yielded by the pith. (Gamble.)	233
COSTUS.	
Vern.—Kúst, keú, Beng., Hind.; Gudúríchákánda, kemuka, Bom.; Bomma kachika, Tell.; Tsjana-kua, Mal.; Kemúka, Sans.  One of the most elegant plants of this family; its spirally-twisted stem carries its glossy leaves and white flowers above the brushwood in our tropical jungles. It is common everywhere throughout India, especially so in Bengal, frequenting moist, shady places.  The rhizomes are made into a preserve, eaten by the natives. Piesse says of it: "I have made some experiments with a sample of kúsht; it appears to be scarcely as odorous as Orris Root. The tincture has an agreeable smell, and would be useful, but no quantity has as yet been seen in our markets." An unlimited quantity might easily enough be exported from Bengal were some effort made to bring this root before the perfumers of Europe.  The root is cooked in syrup and made into preserve in some parts of India. The natives consider it wholesome.	234
COUSINIA.	
Cousinia minutu, Boiss., Compositu.  Syn.—C. Calcitrapiformis, Jaub & Spack.  Vern.—Lakhtei, kandieri, Ps.  Occurs in a wild state in some parts of the Western Punjab plains.  The young plant is used as a vegetable.	235

CUCUMIS.

CROTALARIA.

236

Crotalaria juncea, Linn., Leguminosæ.

FALSE HEMP, SAN HEMP, TAG HEMP,

Vern. - Sanai san, sani, phulsan, arjha san, N. Ind.

The False Hemp is cultivated to a certain extent in the plains of Northern India, chiefly for its fibre. In the North West Provinces and Oudh, it is mostly cultivated in the Rohilkhand, Allahabad and

Agra divisions.

It is sown at the commencement of the rains in light, sandy soils, and cut in September and October, the chief object of the cultivation being the fibre. The cost of cultivation, including rent, is paid at Rs. 15-6 per acre, and the average out-turn of clean fibre is about 8 maunds or 640 lbs. to the acre. It is the belief that the fibre is in its best condition when the plants are flowering. Consequently when the flowers appear the plants are cut.

Under the head of food it may be noted that the tops are cut off and given to cattle, and the fibre is extracted from the stalks.

# CTENOLEPIS.

237

Ctenolepis Garcini, Naud., Cucurbitacem.

Vern.—Zudi muralu, TEL.

An annual climber of Bundelkhand and the Deccan. Grows on rubbish and hedges.

### CUCUMIS.

238

Cucumis Melo., Linn, Cucurbitace.

THE SWEET-MELON.

Vern.—Kharmuj, Beng.; Kharbúja, khurbúj, HIND.; Kharabúja, chibúda, Bom.; Gidhro, SIND.; Vellari-verai, TAM.; Mulampandu, Tel.; Re-mó, NAGA

Extensively cultivated in the North West Provinces, in the sandy basins of the rivers, on account of its fruit. Native of North West India, Beluchistan, and perhaps West tropical Africa (DC.) including numerous varieties which present differences both in shape and use of the fruit.

In the North West Provinces and Oudh it is grown commonly on sandy stretches in river beds. "So soon as the sand-banks are exposed by the falling of the river, operations commence by enclosing small plots with grass fences in order to protect them from the inroad of drifting sand. A plentiful stock of manure is then carried to the spot, and large holes dug at regular intervals throughout the plot, into which the manure is distributed. The melons are sown over the manure in the holes, which act therefore in the same manner as forcing beds. This is the practice in growing melons in the beds of rivers such as the Ganges and Jumna, which consist wholly of white sand. Where the river deposit is of richer quality and contains a mixture of organic matter, a much less amount of manure is required, and it is reported that occasionally manure is altogether dispensed with. The melon beds commence fruiting in April and continue yielding until they are overwhelmed by the rise of the rivers in June." (Duthie and Fuller.) The area under melons in the North West Provinces may be estimated at 23,000 acres annually.

West Provinces may be estimated at 23,000 acres annually.

In Manipur it is cultivated by the Nagas and is of a spherical form

with ten segments.

CUCUMIS.

The flesh of the fruit is usually sweetish and pleasant, and eaten by Europeans as well as natives.

Cucumis Melo, Linn., var. Momordica (sp. Roxb.)

Vern.—Phuti, BENG.; Phut, túti, kachra (unripe), HIND.; Kakari-kai, TAM.; Pedda-kai, pedda dosray, Tel.

There are two varieties, one appearing in the rains and the other in the

hot season.

One of the more marked varieties of C. Melo, differing only in the form and nature of the fruit, which is cylindrical, quite smooth, 1 to 2 feet long, 3 to 6 inches diameter, when ripe bursts spontaneously, and has seeds rather smaller than those of the common melon. (Duthie and Fuller.)

the North West Provinces and Oudh, the area under phut In ranges from 7 acres in Mainpuri to 183 in Allahabad, and 212 in Bijnor.

"The fruit is much eaten both by natives and Europeans; when young they are a good substitute for the common cucumber, and when ripe (after bursting spontaneously) with the addition of a little sugar they are little inferior to the melon, and reckoned very wholesome.' Ind. I. c.)

# C. Melo, Linn., var. utilissimus (sp. Roxb.)

Syn. - C. Utillissimus, Roxb.

Vern.—Kankri, Hind.; Kán kur, Beng.; Dosray, Tel.; Kákadi, Bom.

Cultivated in Upper Bengal, the North West Provinces and Punjab during the hot weather and the rains. "The fruit varies from short oval or cylindrical to elongate, and is either straight or curved like some varieties of cucumber. It varies in colour from dark green to nearly white, usually changing to a bright orange colour when ripe." (Duthie and

Kakri is an important article of food with the poorer classes during the hot weather months. Roxburgh gives the following account of the

"This appears to me to be by far the most useful species of Cucumis that I know; when little more than one half grown, they are oblong, and a little downy; in this state they are pickled; when ripe they are about as large as an ostrich's egg, smooth and yellow; when cut they have much the flavour of the melon, and will keep good for several months, if carefully gathered without being bruised and hung up; they are also in this stage

eaten raw, and much used in curries, by the natives.

"The seeds, like those of the other cucurbitaceous fruits, contain much farinaceous matter, blended with a large portion of mild oil; the natives dry and grind them into a meal, which they employ as an article of diet; they also express a mild oil from them, which they use in food and to burn in their lamps. Experience, as well as analogy, prove these seeds to be highly nourishing, and well deserving of a more extensive culture than is bestowed on them at present."

C. sativus, Linn.

THE CUCUMBER.

Vern.—Sasa, Beng.; Khira, Hind.; Kákadi, khira, Bom.; Sukasa, Sans.; Muluvelari, Tam.; Dorga-kasa, Tel.; Khyar, Pers.

A native of Northern India, but cultivated in Egypt in the time of

Moses, where it forms a great part of the food of the people.

"There are two forms of this plant, one a creeping plant cultivated in the fields during the hot season, and the other a climber cultivated in homesteads in the rains." (Amsterd. Cat.) The hot weather kind has

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**24**I

# CUCURBI-

small egg-shaped fruits, and is sown in February and March in any soil, preferably in a rich one, in drills. The rainy season varieties have much larger fruits, one of a dark green, and the other a creamy-white; both when full-grown change their colour to a rusty brown. The area under this variety in the North West Provinces ranges from 15 acres in Meerut to 153 in Budaun and 183 in Allahabad. Another variety (C. Hardwickii, Royle, grows wild in the Himalaya and is called air alu in Kumaun, and pahari indrayan in the tracts bordering the foot of those mountains. (Duthie.)

The rainy season varieties are the most common, and are universally eaten by natives of all classes as well as by Europeans. The other varieties are also used as food, the small hot weather kind, and those gathered in a young state, and known as Ghirkins, are made into pickles. The

cucumber is also eaten in curry by the natives.

#### CUCURBITA.

# 242 Cucurbita maxima, Duchesne, Cucurbitace E.

SQUASH GOURD.

Vern.—Kadu, HIND.; Pushini-kaia, TAM.; Gummaddikaia, TEL.; Shawep-ha-yung, BURM.

Cultivated all over India for its fruit.

This plant produces the largest known fruit, some weighing as much as 240 lbs., and measuring nearly 8 feet in circumference. The fruit is wholesome, and when young used as a vegetable.

This gourd is sweetish and yellow. When mature it will keep for many months if hung up in an airy place. It is largely used by natives of all classes in curry.

When very young and tender it may be used as a pleasant vegetable for the European table, by being boiled, pressed down to extract the water, and served warm, with butter, salt, and pepper (Mr. L. Liotard).

# 243 C. moschata, Duchesne.

THE MUSK MELON.

Syn.-C. MELOPEPO, Roxb.

Vern.—Kharbúj, sitaphal, saphari kumhra, kumra, kaddú, mitha-kaddú, N. W. P.

Includes the forms of Squash, Pumpkin, and Vegetable Marrow. The true Vegetable Marrow does not seem to be cultivated in India. C. moschata is the species of Cucurbita cultivated to any extent in the North West Provinces; statistics of the area are not available except for Farukhabad and Cawnpore, which show 138 and 20 acres respectively.

# 244 C. Pepo, DC.

THE PUMPKIN.

Syn.—C. Pepo, Roxb., included this plant I(the Pumpkin), as well as Benincasa cerefera, Savi, the white melon.

Vern.—Kumra, safed kaddu, lanka, konda kumara, kadimah, Beng., Hind.

Cultivated for its fruit almost throughout India. Grown in vegetable gardens, and near the huts of the natives, often allowed to spread over their roof.

CYAMOP-SIS. CUMINUM. Cuminum Cyminum, Linn., Umbelliferæ. 245 CUMMIN. Vern.—Jiraka, Sans.; Jira, Beng.; Zira, HIND.; Siragam, Tam.; Firaka, TEL. An annual of the Carrot family, extensively cultivated in Rajputana and other parts of Upper India. It has seeds like Celery, of an aromatic, but somewhat bitter flavour, used by the natives to flavour their curry. **CURCUMA** Curcuma angustifolia, Roxb., Scitaminem. 246 WILD OF EAST INDIAN ARROWROOT. Vern .- Tikhur, HIND.; Ararut-ke-gadde, DEC.; Ararut-kishangu, TAM.; Ararút-gaddalu, TEL. An excellent kind of arrowroot is prepared from the tubers of this species, especially in Travancore, where the plant grows in abundance. Roxburgh observes that a sort of starch or arrowroot-like fecula is prepared, which is sold in the markets of Benares, and is eaten by the natives. The flour, when boiled in milk, forms an excellent diet for patients or children. It is largely used for cakes, puddings, &c., though it is often complained to produce constipation. (Drury; Roxb.) C. longa, Roxb. 247 TURMERIC. Vern.—Haldi, Hind.; Halud, Beng.; Halada, Bom.; Haridra, Sans.; Manjal, TAM.; Pasupu, TEL. A perennial herb of the Ginger family, in general circulation throughout the whole of the Eastern Tropics, cultivated all over India. Roxburgh gives the following account of its cultivation: -"The ground must be rich, friable, and so high as not to be overflowed during the rainy season, such as the Bengalis about Calcutta call danga. It is often planted on land where sugar-cane grew the preceding year, and is deemed a meliorating crop. The soil must be well ploughed and cleared of weeds, &c. It is then raised in April and May, according as the rains begin to fall, into ridges, nine or ten inches high, and eighteen or twenty broad, with intervening trenches nine or ten inches broad. The cuttings or sets, vis., small portions of the fresh root, are planted on the tops of the ridges, at about eighteen inches or two feet asunder. One acre requires about nine hundred such sets, and yields in December and January, about two thousand pounds weight of the fresh root." Turmeric forms one of the indispensable ingredients in curries, and is used for coloring confections, &c.

#### CYAMOPSIS.

Cyamopsis psoralioides, DC., Leguminos E.

Vern.—Guar, dararhi, kuwara, kauri, syansundari, phaligawar, kach-hur, khurti, khulti, N. W. P. and Oudh.

Cultivated in many parts from the Himalayas to the Western Peninsula as a vegetable for human consumption, and as a pulse for horses and

#### CYNARA.

cattle. For the former purpose it is grown on well-manured land near villages and has a luxuriant growth. The part eaten by natives is the pod while green, but its cultivation for this purpose is not very common. As a cattle fodder it is grown for its grain, and its cultivation is of considerable importance in the western districts of the North-West Provinces, where it is sown on light, sandy soil, side yide, and often mixed, with bajra. The time for sowing guar is the commencement of the rains, and the harvest is gathered in October. The average produce of dry pulse is about 10 maunds per acre.

### CYCAS.

## 249 Cycas pectinata, Griff., CYCADACE E.

Vern .- Shakul, NEPAL.

An evergreen, palm-like tree of Sikkim, East Bengal, and Burma, often found in sál or eng or pine forests.

Yields a coarse sago, which, with the fruits, is eaten by the hill-people in Sikkim. (Gamble.)

250 C. Rumphii, Miq.

Syn.—C. CIRCINALIS, Willd.

Vern.—Wara-gudu, TEL.; Todda-maram, MAL.

A plant abundant in the Malabar and Cochin forests.

A kind of sago is prepared from the pith, which is much used by the poorer natives and the forest tribes; the nutty seeds are used as food.

#### CYDONIA.

### 251 Cydonia vulgaris, Tourn., Rosacek.

THE QUINCE.

Vern.—Bihi, HIND.; Bamtsunt, bamsutu, KASHMIR.

Cultivated in Afghanistan and the North-West Himalayas up to

5,500 feet.

When ripe the fruit is eaten; it is sweet, slightly juicy and astringent. It is also made into preserve, and, as having a powerful odour, is often used to flavour marmalade and other preserves. Wine is sometimes made from it. It is supposed to have been the Golden Fruit of the Hesperides.

### CYNARA.

Cynara Scolymus, Linn., Compositæ.

ARTICHOKE.

Vern.-Hati-choke, BENG., HIND.

Cultivated to a limited extent over most parts of India by or for Europeans only, who eat it boiled.

The lower parts of the thick imbricated scales of the flower-heads are called artichoke bottoms, and being thick and fleshy are eaten as a vegetable.

66

	DACTY LIS.
CYNODON.	
Cynodon Dactylon, Pers., GRAMINEE.	253
CREEPING PANIC GRASS OF DOORWA.	
<b>Syn.</b> —C. Stellatus, <i>Willd</i> .; Panicum Dactylon, <i>Linn</i> .; Paspalum Dactylon, <i>DC</i> .	,
Vern.—Dúh, daurva, kabbar, PB.; Chibbur, SIND; Dub, durba, BENG.; Durva, ourooha, SANS.; Arugam-pilla, TAM.; Ghericha, TEL.  A perennial, creeping grass; grows everywhere abundantly throughout India, except perhaps in the sandy parts of Western Punjab, where it is rare. In winter it appears scanty. It abounds in the Sunderbuns.  It is the most common and useful grass in India, and its roots form a large proportion of the food of horses and cows. Mr. Duthie says it varies considerably both in habit and nutritive qualities, according to the nature of the soil or climate. Roxburgh mentions that "it is by the Brahmans of the coasts held sacred to Ganesha under the name of Doorwall." A cooling drink is also said to be made from the roots.	
CYNOSURUS.	
Cynosurus cristatus, Linn., Gramineze.	254
Syn.—Phleum cristatum, Scop.	•
Found in the Himalaya, 12,000 to 14,000 feet in altitude. Mr. Duthie writes: Baron von Mueller remarks that this grass is particularly valuable for its power to withstand drought, the roots penetrating to considerable depths.	
It is cultivated for hay or fodder,	
CYPERUS.	
Cyperus bulbosus, Vahl., Cyperaceæ.	255
Vern.—Shilandi, TAM.; Pura-gadi, TEL. Grows in sandy situations on the Coromandel coast. "The roots are used as flour in times of scarcity and eaten roasted or boiled." When roasted they have the taste of potatoes, and would be valuable for food, but that they are so small.	
C. rotundus, Linn.	256
Syn.—C. HEXASTACHYOS, Roxb. Vern.—Muthá, Beng.; Mustá, Sans.; Koray, Tam.; Shaka tunga, Tel.; Mustá, kachará, Bom.; Kore-ke-jhár, Dec.	-30
The root or tubers of this grass is more frequently used in lower Bengal than of C. bulbosus, being more plentiful; but it does not seem to be used as food, except by hogs.  Cattle eat the plant.	
DACTYLIS.	
Dactylis glomerata, Linn., Gramineze.	257
Cock's foot grass.	-57
Syn.—D. HISPANICA, Roth.; D. GLAUCESCENS, Willd.	
A tall, perennial grass, common in the Himalaya of the North-West Provinces and the Punjab. It receives its English name from the fancied resemblance its flowers bear to a fowl's foot.	

#### DAUCUS.

Highly valued in Europe as a fodder grass for cattle. It forms a portion of most good pasture, especially in chalky or loamy soil.

Dactyloctenium ægyptiacum, Willd., Graminem. See Eleusine ægyptiaca, Pers.

#### DÆMIA.

258

Dæmia extensa, R. Br., Asclepiadez.

Vern.—Utran, jutuk, HIND., DEC.; Chhágul-bátí, BENG.; Karial, siali, PB.; Vélip-parutti, uttámaní, TAM.; Jittupáku, gurti-chettu, TEL.; Hála-koralige, KAN.

A twining, shrubby plant, found wild in Bengal and in the Himalaya from Darjeeling to Nepal; it is also one of the commonest weeds in the Deccan.

Browsed by goats.

### DALBERGIA.

259

Dalbergia Sissoo, Roxb., Leguminos.

THE SISSOO.

Vern.—Shisham, sissu, sissai, HIND, ; Tali, safedar, shisham, PB.; Sissái, OUDH; Sasam, sasem, ARAB.; Yette, nukku-kattái, TAM.; Sissu, karra, TEL.

A large, deciduous tree of the sub-Himalayan tract, from the Indus to Assam, ascending to 3,000 feet. It is now largely cultivated throughout the plains of India as an ornamental tree along roads, &c.

The young trees are liable to be browsed by cattle, goats and camels

(Stewart); but the forest conservation arrangements prevent this as much

as practicable.

### DAPHNE.

260

Daphne mucronata, Royle, THYMELEACEE.

Vern.—Pech, SIND; Kútilál, konthan, gandalún, PB; Laghúne, AFG.

A small, evergreen shrub, met with in the Sulaiman Range, from 3,000 to 7,000 feet, Himalaya from 2,300 to 9,000 feet.

The berries are eaten, but are said to cause nausea and vomiting; on the Sutlej a spirit is distilled from them (Brandis).

### DAUCUS.

261

Daucus Carota, Linn., Umbelliferæ.

THE CARROT.

Vern.—Gájar, Beng., Hind.; Garjara, Sans.; Jasar, Arab; Zardak, Pers.; Gájjara kelangu, manjal-mutlangi, Tam.; Gajjara gadda, pita-kanda, Tel.

Cultivated in many parts of India. A hardy, acclimatised form, with almost green roots, is extensively cultivated in India, and is rapidly finding its way into the vegetable gardens of the natives. It is an exceedingly coarse form, but quite hardy in Behar, growing right through the hot season.

Still, the common or yellow carrot is widely cultivated and is eaten by

Europeans and Natives.

In the drought and consequent scarcity which occurred in 1878-70 in parts of the North-West Provinces and Oudh, the cultivators thought

it expedient to cultivate carrot to an extent larger than usual around their wells, and succeeded in obtaining by this means a supply of food which, in spite of the absence of their usual field cereals, sufficiently answered their purpose. It is useful as food to man and beast, and its juice is sometimes used to colour butter and cheese.	DILLE- NIA.
DECAISNEA.	
Decaisnea insignis, Hook. f. & Th., Berberidee.  Vern.—Nomorchi, Lepcha; Lúdúma, Bhutia.  Inhabits the eastern parts of the Himalaya, in Bhutan and Sikkim, at a height of 6,000 to 10,000 feet.  Produces a very palatable fruit, which ripens in October; and which is eaten by the Lepchas of Sikkim.	262
DENDROCALAMUS.	
Dendrocalamus Hamiltonii, Nees & Arn., Graminer.  Vern.—Tama, Nepal.; Pao, Lepcha; Pa-shing, Bhutia; Kokwa, Beng.; Wab, Mechi; Wahnok, Garo.  Inhabits the lower Himalayan region from Kumaun to Assam. The young shoots are boiled and eaten in Sikkim, Bhutan, and Assam.	263
D. strictus, Nees.  The Male Bamboo.  Syn.—Bambusa strictus, Roxb. Vern.—Bans, bans kaban, kopar, Hind.; Karail, Beng.; Bas, udha, Bom.; Kanka, Tel.; Myinma, Burm.  Plains and lower hills in Northern India and Central Provinces. This bamboo has often deciduous leaves; the stems, attaining a height of 100 feet or more, are strong, elastic, and nearly solid.  "Generally known to Europeans in India as the male bamboo, and is universally used for spear staffs. Extremely variable in forage." (Duthie.) The leaves are used sometimes as fodder.  D. Tulda, Nees. See Bambusa Tulda, Roxb.	264
1020.	
DIGERA.	
Digera arvensis, Forsk., Amarantacer.  Syn.—D. Muricata, Mart.  Vern.—Tartara, tandala, leswa, PB.  A weed common in the Punjab fields and lower hills.  Serves often as a pot-herb. Leaves and tender tops are used by the natives in their curries (Voigt).	265
DILLENIA.	
Dillenia indica, Linn., DILLENIACEE.  Vern.—Cháltá, BENG., HIND.; Phamsikol, LEPCHA; Otengah, Ass.; Rai, URIYA; Uva, TAM., Tel.; Syalita, MAL.; Thabyoo, BURM.  A large tree of Bengal, Central and South India, and Burma. Flowers in summer, and its fruit ripens in February.	266

### DIOSCO-REA.

The fruit is large, about 3 inches in diameter, and is surrounded by fleshy accrescent calyces which, when the fruit is full grown, have an agreeably acid taste, and are eaten by the natives, either raw or cooked—chiefly cooked in curries. They are also made into a pleasant jelly. The acid juice sweetened with sugar forms a cooling drink.

### 267

## Dillenia pentagyna, Roxb.

Vern. — Karkotta, Beng.; Aggai, Oudh; Shukni, Lepcha; Akshi, Ass.; Kallai, C. P.; Rai, URIYA, TAM.; Rawadan, Tel.; Malé-geru, Kurg; Zimbryun, Burm.

This tree, with leaves sometimes 2 feet long, inhabits the same regions as D. indica, and extends into Oudh. It flowers in March and April.

The flowers, buds, and fruit when green are eaten by the natives.

### DIOSCOREA.

#### 268

## Dioscorea aculeata, Roxb., Dioscoreacez.

PRICKLY-STEMMED YAM OF GOA POTATOR.

Vern. -- Mou-alu, BENG., HIND.; Kantu-kelangu, TAM.; Kata-kelenga, Ter...

A native of Bengal, Western and Southern India. The roots are oblong, pendulous, delicately white, and generally about two pounds in weight. They are dug up in the forest during the cold season, and are sold in market places.

They make a good vegetable, and are commonly eaten by the natives cooked in curry.

#### 260

## D. alata, Linn.

YAM, OF WING-STALKED YAM.

Vern.—Kham-alu, Beng., Hind.; Yams-kalung, TAM.; Niluvu-pendalum, Tel.

This species is much cultivated in various parts of India. (Roxb.)

The tubers are oblong, white, and are a favourite vegetable with the natives.

#### 270

## D. bulbifera, Linn.

BULB-BEARING YAM.

Vern.—Zaminkand, HIND.; Karukarinda, Dec.; Malay-kaya-pendalam, Tel.; Katu-katsjil, MAL.

Cultivated in the Konkan.

The bulb on the stem and the roots are used as vegetables (Birdwood). The latter are bitter, but are rendered eatable by being covered with ashes and steeped in cold water.

Dr. Stewart, under the name of D. deltoides, Wall, with the vernacular names, kniss tar, kithi, tardi, gungru, kaspat, mentions a plant which grows abundantly in many parts of the Punjab Himalaya, and of which the root (several pounds weight) is largely eaten, cooked, by various classes in parts of the Siwaliks and outer hills, after steeping it in ashes and water to remove acridity. This may probably be the same as the D. bulbifera.

### **27**I

### D. fasciculata, Roxb.

Vern .- Susni-alu, BENG.

"Cultivated to a considerable extent in the vicinity of Calcutta." (Roxb.)

	DIOSPY
The root consists of several small, smooth, light-coloured tubers, which are used by the natives for food and for the manufacture of starch. (Roxb.)	ROS.
Dioscorea globosa, Roxb.	272
Vern.—Chúpri-alú, Beng., Hind.	
This species is largely cultivated, especially in parts of Bengal. The tubers are roundish, sometimes very large, inside very white.  They are the most esteemed of the tuberous roots eaten by the natives, and are also much liked by Europeans in India. The former eat them in curries, and also boiled.	
D. pentaphylla, Willd.	273
Vern.—Kanta-alu, BENG.; Nureni-kelangu, MAL.  Common in jungles, on low hills in Bengal and Southern India.  The tubers are oblong, large, and white, considered wholesome and palatable. The natives dig up the tubers whenever required by them for food.	
D. purpurea, Roxb.	274
Vern.—Lal-gurania-alu, Beng.	
Cultivated in parts of Bengal.  "The root is oblong, throughout of a lighter or darker purple, but always considerably deep in the tinge." (Roxb.)  It is reckoned by the natives as the third best among the yams, the D. globosa being considered as the first and D. alata as the second best.	
D. rubella, Roxô.	<i>2</i> 75
Vern.—Guraniya-alu, Beng.	-/5
Much cultivated in parts of Lower Bengal, especially about Calcutta. Tubers oblong, sometimes three feet long, deeply tinged with red under the scarf skin.	
Held fourth in estimation by Bengalis, and used by them as food.	
D. sativa, Willd. Common Yam.	276
Vern.—Rátalu, HIND.; Yamskollung, TAM.	
Cultivated all over India for its roots.	
The roots or tubers are eaten cooked, and are a common article of food.	
D. versicolor, Wall.	21717
Vern.—Genthi, gajir, ganjira, HIND.	277
A kind of yam found wild in the Kumaun Himalayas.	
DIOSPYROS.	
Diospyros Embryopteris, Pers., EBENACEE.	278
GAUB OF GAB.	
Syn.—D. GLUTINOSA, Roxb.	
Vern.—Gáb, makur-kendi, Beng., Hind.; Tinduka, Sans.; Kendu, Ass.; Tumbika, panichika, Tam.; Tumik, Tel.; Timboree, Bom.  A small tree or evergreen shrub, forming a dense dome of foliage;	
met with throughout India and Burma.	ĺ

#### DOCYNIA.

Produces a round fruit as big as a middle-sized apple, green when unripe, rusty yellow when ripe; and in the latter stage contains a somewhat astringent pulp in which the seeds are embedded.

The fruit when green is commonly used in caulking the bottom of boats; when ripe it is eaten by the natives, but is not very palatable.

The leaves are also eaten as a vegetable.

## 279 Diospyros Lotus, Linn.

THE EUROPEAN DATE PLUM.

Vern.—Ambuk, maluk, bissarhi, PB.

A middle-sized tree of the northern parts of the Punjab, ascending the Himalaya, and extending into Kashmir, Afghanistan, and Beluchistan.

The fruit, when ripe, is sweetish, and is eaten, either fresh or dried, by Afghans and other tribes. The former bring quantities of it to the Peshawar bazars. It is sometimes also used in *sherbat*.

This small fruit is supposed by some to be one of those eaten by the people called Lotophagi. In Southern France it is eaten when half-rotten like the Medlar. (Gamble.)

### 280 D. melanoxylon, Roxb.

Vern.—Tendu, kendu, abnú, HIND.; Kend, kyou, BENG.; Tumri, tummer, tumki, GOND.; Tumbi, tumbali, TAM.; Tumi, tumki, Tel.; Balai, KAN. Found throughout India, but not in Burma. It is a moderate-sized tree, and produces an ebony wood, though not the true ebony of commerce.

Flowers in April and May, and produces a fruit which, when ripe, is eaten by the natives. It has an astringent taste, and is not very palatable.

# 281 D. pyrrhocarpa, Miq.

Vern.—Tay, BURM.

A tree of the Andaman islands.

The fruit is said to be eaten by the Burmese.

## 282 D. tomentosa, Roxb.

Vern.—Kyou, Beng; Tumal, Hind.; Kakindu, Sans.; Kinnee, kendu, PB. Found in the northern parts of Bengal, also in the Siwalik tracts of the Punjab. It produces whitish flowers in April, and small berries, which ripen in June.

When ripe the berries are yellowish, and are filled with a soft, yellow,

sweetish, astringent pulp, eaten by the natives.

#### DOCYNIA.

## 283 Docynia indica, Dene., Rosace E.

Vern .- Mehul, possy, NEPAL; Likung, LEPCHA; Sopho, KHASIA.

A small tree of the Himalaya in Sikkim, Bhutan and Assam, also of the Khasia Hills, and Burma.

Produces a fruit which is yellow green with orange patch, is I to 1\frac{1}{3} inches in diameter, and rounded at the base. When ripe the fruit has a slight quince flavour, and it is eaten when half ripe by the hill tribes.

DURIO. DOLICHOS. 284 Dolichos biflorus, Linn., Leguminosæ. Horse Gram or Kooltee Syn.—D. uniflorus, Lam.; Glycine uniflorus, Lam. Vern.—Kurti-kalai, Beng.; Kulthi gahat, HIND.; Koolutha, SANS.; Kallat, külat, kult, kolt, barát, gulatti, PB.; Kollu, TAM.; Wulawalli, TEL.; Kulitba gaglip, SIND. An erect annual (forma uniflora) or twining (forma biflora), met with chiefly in a state of cultivation as a pulse crop on the tropical and sub-tropical Himalaya, to Burma and Ceylon. It is extensively cultivated on the coast. It is sown either singly, or along with other grains. The sowing is made in October and November, generally in dry, light, rich soils; and the crop is reaped in February. The grain is eaten by the poorer classes of natives, and by horses and cattle. The straw is given to cattle as fodder. The pods are flat and curved like a sickle, and used for feeding cattle. 285 D. Lablab, Linn. Vern — Shim, makhan-sim, borboti, gheea-sim, pauch-sim, Beng.; Sim, makhan-sim, lobia, borboti, HIND.; Shimbi, SANS.; Kechu, NAGA; Alsanda, boberlu, tella-chikurhai, Tel. Wild and cultivated throughout India; ascends to 6,000-7,000 feet on the Himalaya. The climbers may be seen commonly grown along the borders of tall crops, twining round the plants on the margin of the fields. In some parts of the country the castor oil plant is a favourite support. They are also grown commonly in little patches round houses, and allowed to climb on the walls and roof. There are several varieties of this bean. Roxburgh describes thirteen cultivated. They are all known by the vernacular names given above; and are, most of them, eaten cooked as curry by the natives. For Europeans a few of them, when young and tender, are good substitutes for the common Phaseolus known as French beans. 286 D. sinensis. Syn.—Vigna Sinensis. It is cultivated in India for its pods, two feet long, which contain pea-like seeds, forming a considerable article of food. DRACOCEPHALUM. 287 Dracocephalum heterophyllum, Benth., LABIATE. Vern.—Zanda, shanku, karamm, N. PB. and LADAK. Grows in the Punjab Himalaya and Ladak from 13,000 to 17,000 feet. The plant is browsed by goats and sheep, and its root appears to be used as a vegetable (Dr. Stewart). DURIO. Durio Zibethinus, DC., MALVACEE. 288 DURIAN, OF CIVET-CAT FRUIT TREE. Vern.—Duyin, BURM.; Durian, MALAY.

A large tree of the Malay Islands, wild in South Tenasserim, and

cultivated as far north as Moulmein.

#### ELÆAG-NUS.

Produces a large fruit, 10 inches by 7, called the durian, or civetcat fruit, whose cream-coloured fleshy aril or pulp enveloping the seed, like that of the Jack, is the part eaten. It is well known and much prized and eaten by the natives, but it has a rather strong odour, considered by Europeans as highly offensive, resembling that of putrid animal matter or rotten onions. The fruit is, however, highly prized even by Europeans. Natives regard it as extremedy luscious, and it forms a great part of their food. The roasted seeds and the boiled unripe fruit are also eaten as vegetables.

### **EDWARDSIA**

### \_ 289

Edwardsia Hydaspica, Edge., Leguminosæ.

Vern.-Kun, kohen, malan, PB.

A shrub of the Salt Range and Trans-Indus regions of the Punjab.

Occasionally browsed by goats, but said to be injurious to other animals.

### EHRETIA.

#### 200

Ehretia acuminata, Br., Boraginez.

Syn.—E. SERRATA, Roxb.

Vern.—Púnyan, kurkuna, arjún, Hind.; Nalskuna, Nepal; Bual, Ass.; Kula-aja, Beng.; Narra, Garhwal; Pursan, kalthaun, Pb.

Native of Bhutan and eastern parts of Bengal, introduced elsewhere

in Bengal.

Has oblong, serrated, smooth leaves, and fragrant flowers, which appear in the hot season. It also produces a fruit which is described by Dr. Glass as delicious.

#### 201

E. lævis, Roxb.

Vern.—Chamrér, koda, HIND.; Mosonea, URIYA; Dotti, GOND.; Paldatam, seregad, Tel.

A tree of the Sulaiman Range, Punjab, sub-Himalayan tract, Oudh, Bengal, Central and South India, and Burma (Gamble).

Produces a fruit which is eaten by the natives, who, in times of famine, also eat the inner bark.

#### ELÆAGNUS.

#### 202

Elæagnus hortensis, M. Beib., ELEAGNEE.

OLEASTER.

Syn.—E. ANGUSTIFOLIA and E. ORIENTALIS.

Vern. - Sanjít, AFG.; Sirshing, TIBET; Shiúlik, N. W. P.

A small tree of Ladák, Baltistan and Afghanistan.

Produces small, yellow leaves which perfume the air to a great distance, and a fruit which is eaten; from the latter a spirit is distilled in Yarkand.

The berries, called Trebizond dates, are dried by the Arabs and made

into cakes.

### 203

E. latifolia, *Linn*.

Syn. - E. CONFERTA, Roxb.

Vern. - Ghiwain, mijhanla, Kumaun; Yarila, Nepal; Guara, Beng.;

Kamboong, Magh.

A straggling, evergreen shrub of the Himalaya, from Kumaun to Bhutan, Khási hills, Eastern Bengal and South India.
Produces an acid fruit which is eaten.

	131 TMT
·	ELET
Elæagnus umbellata, Thunb.	204
Vern.— Ghiwain, ghain, kankoli, bammewa, PB.	-24
A thorny, deciduous shrub on the Himalaya, from near the Indus to	
Bhutan, between 3,000 and 10,000 feet.	i
The fruit of this is eaten by the natives. The fruits of these different	
species of Elæagnus are also used in curries, or pickled like olives.	
ELÆOCARPUS.	
Elmonomus lancomfolius Poul Trrroge	295
Elæocarpus lanceæfolius, Roxb., Tiliaceæ.  Vern.—Sufed-pai, Sylhet; Bhadras, Nepal; Shepkyew, Lepcha; Saka-	1
Vern.—Sujea-pai, Sylhet; Bhaaras, Nepal; Shepkyew, Lepcha; Saka- lang, Ass.	
A large tree, inhabiting Eastern Himalaya and Khásia Hills, and	
extends into Sylhet and Tenasserim. The plant flowers in the beginning	
of the rains, and the fruit ripens in September and October.	
The fruit is eaten by the natives.	į
E. serratus, Linn.	296
Vern.—Jalpai, Beng.; Perinkara, Kan.	
A tree found in the north-east regions of the Himalaya, in Bengal	
and on the western coast.	
Produces numerous small, white flowers in the hot season, and a fruit	
which is very hard, oblong-shaped and smooth. The fruit is dried and used in curries by the natives; and also pickled.	
E. Varunua, Ham.	297
Vern.—Tuttealy, saulkuri, Ass.	
A tree met with in the Himalaya from Kumaun to Sikkim; also in	İ
Assam and Chittagong.  Like the other species this also produces a fruit which is edible.	İ
Like the other species this also produces a real which is earlie.	
ELEONURUS.	
Eleonurus hirsutus, Vahl., Graminez.	200
Vern.—Bhanjuri, N. W. P.	298
Grows in light soil in Sindh, and extends to the Punjab as far as the	
Salt Range and to the North West Provinces in Bundelkhand.	
Used as fodder to a small extent.	İ
ELETTARIA.	
Tistania Cardamanum Matau Sarmayann	200
Elettaria Cardamomun, Maton, Scitaminez.	299
THE LESSER CARDAMOM,	1
Vern.—Chota-eláchi, Beng., HIND.; Ellakay, TAM., Tel.; Panlat, Burm.	
A native of India with perennial, reed-like stems, producing fruit for	1
several years. Extensively cultivated in the hilly districts of South India.	
This is the lesser or white Cardamom of South India, and exported to	
Furone.	i

#### ELEU-SINE.

Used by the natives in flavouring sweetmeats and certain cooked dishes; also as a spice, and sometimes chewed in the betel-leaf pán.

### ELEUSINE.

300

Eleusine ægyptiaca, Pers., Gramineæ.

Syn.—Cynosurus Ægyptiacus, Linn.; Dactyloctenium Ægyptiacum, Willd.

Vern .- Makra-jali, Beng., HIND.; Makra, makri, ghurchua, NORTH India; Madana, chimbari, chubrei, PB.; Cavara-pullu, MAL.

Grows wild in pasture ground, and by the roads ides in the plains of the Punjab and North-West Provinces. Allied to E coracana, and bearing the same vernacular name; occurs commonly throughout Upper India, and presents on a superficial examination hardly any points of difference from the cultivated plant. .

"Its seeds are occasionally eaten in times of scarcity, and it is reckoned good as a fattening and milk-producing pasture." (Dr. Stewart.)

It is a good fodder grass, and cattle are very fond of it (Duthie.) The seed of the wild plant is collected by the poorer classes as an unpalatable though often very serviceable food (Duthie and Fuller).

**301** 

E. corocana, Gaerin.

MILLET, NATCHNEE OF RAGEE.

Vern.—Mandua, marua, makra, rolka, N. W. P. and OUDH; Mandal, chalodra, PB.; Koda, HIMALAYAN NAME; Marua, BENG.; Rajika, SANS.; Raji, DEC. and SOUTHERN INDIA; Kayur, TAM.; Ponassa, pedda, tamidalu, TEL.

A decumbent grass, native of India, widely cultivated as a rain weather crop in the northern and southern provinces in light soils; it yields very profitable returns. In the North West Provinces, it is cultivated to the extent of about 43,169 acres in light soils; the rate of seed sown is 10 lbs. to the acre. It suffers greatly from heavy rain. The average yield ranges from 12 to 14 maunds of grain to the acre where carefully cultivated, to 5 or 6 maunds in the hills.

The grain is not considered very wholesome, but is made into handbread or chapathis and eaten by the poor. The stalks are given to cattle

as fodder. (See Roxb., Vol I, page 343, under E. Coracana and E. stricta.)
In Abyssinia it is called Tocussa; on the Coromandel Coast, Natchnee. The Mahomedans call it Raggee. A fermented liquor is prepared from the seeds called Bojah in the Mahratta country. It is the staple grain of the Mysore country, where it is stored up in pits, keeping sound for many years. (W. Elliot.)

302

E. flagellifera, Nees.

Syn. -E. ARABICA, Hochst.

Vern.—Gurdub, N. W. INDIA.

A small, creeping, perennial grass, found in arid parts of the Punjab. Affords very good fodder for cattle.

303

E. indica, Gærtn.

Syn.—Cynosurus indicus, Linn. Vern.—Gudha, jhinjhor, N. W. INDIA.

A coarse grass inhabiting Northern India in the plains, and ascending the hills.

Not liked by cattle.

	ERA- GROSTIS.
ENTADA.	
Entada scandens, Bth., Leguminosæ.  Syn.—E. Pursætha, DC.; Mimosa scandens, Linn.  Vern.—Gilla, Beng.; Geredi, Uriya; Pangra, Nepal; Gardal, Bom.;  Kongnyin-nway, Burm.	304
A large climber of the forests of East Bengal, South India, Burma, the Andaman Islands and Ceylon, ascending on the Himalaya to 4,000 feet. Flowers in March and April, and produces broad flat pods, from 2 to 4 feet long, which ripen towards the close of the year.  The pods contain large, flat, hard, polished, chestnut-coloured seeds, or rather nuts, which are, after being steeped in water and roasted, sometimes eaten by the natives.	
EPHEDRA,	•
Ephedra Gerardiana, Wall., GNETACEE.	305
Vern.—Asmánia, bátshúr, bádshúr, chewa, khanna, PB. Brandis gives these Vern. names under E. vulgaris, Rich.; but E. Gerardiana is the name given by Dr. Stewart.	
A small shrub of the inner arid north-west Himalaya; at places on the Sutlej and Chenab, and in the Jhelam basin, at from 7,800 to 11,200 feet, and in Ladak to 15,000 feet.	
The plant is browsed by goats. It produces pretty red berries, which, Dr. Stewart says, have a not unpleasant, mawkish, sweet taste, and are sometimes eaten by the natives. They are not unwholesome.	
EQUISETUM.	
Equisetum debile, Roxb., Equisetaces.  The Horse Tail.	306
Vern.—Matti, skinung, bandukei, nari, trotak, biki, PB. Found in Dindigal, Burma, Bengal, Sylhet, North Doab, Dehra Dun, and Manipur; also in wet places throughout the Punjab Plains, where, Dr. Stewart thinks, it is at times given to cattle as fodder.	
ERAGROSTIS.	
Eragrostis Brownei, Nees., Gramine E.	307
Syn.—Poa Brownei, Kunth. Vern.—Bharree, Aligarh. (in Duthie.)	
A perennial grass.	
"At Aligarh it grows on barren, wet soil, and is eaten by cattle and horses." (Lang quoted by Duthie.) Baron von Mueller describes it as a valuable species, keeping green in the driest Australian summer even on poor soil.	1
E. cynosuroides, Rets.	308
Syn.—Poa cynosuroides, Rets.; Briza bipinnata, Linn. Vern.—Dab, daboi, N. W. P.; Dib, kusa, Pb.; Kusha, Beng.; Kusha, kutha, durbha, Sans.; Durbha, dubha, durpa, Tel.	
A strong, coarse grass, common in dry, barren ground, and sandy soil on the plains of the North-West Provinces, the Punjab, and Sindh. The	

### ERIOBO-TRYA.

culms are straight, round and smooth, one to three feet in height; leaves long and numerous. Its long roots keep it fresh throughout the year. Mr. Wilson (quoted by Mr. Duthie), however, says, "it will not grow on the worst type of usar land on which the kar usara grass (Sporobols tenacissimus) appears to thrive."

Mr. Duthie says: "Cattle do not eat it as a rule, though it is liked by buffaloes when young; it produces an excellent rope fibre; paper is also made from it, and the upper part of the stem is used for making sieves."

Roxburgh writes:—"It is employed by the Brahmans in their religious ceremonies. Can this be Gramen capillacenm? Cusa or Cusha, the Sanskrit name of this much-venerated grass, was given to it at a very early period, by the Hindu philosophers, and believed by Sir Wilson Jones, to have been consecrated to the memory of Cush, one of the sons of Ram;" but the name is much older than that of Ram or his son.

# 309 Eragrostis flexuosa, Roxb.

Syn.—Poa flexuosa, Roxb.

Found in the plains of the North West Provinces and the Punjab. Roxburgh says it is a pretty large species growing in tufts on old walls so exactly resembling P. unioloides as to be easily mistaken for it.

### 310 E. nutans, Rets.

Syn. -POA NUTANS, Roxb.

Grows in the North West Provinces and the Punjab, but frequents banks of water-courses, borders of rice fields and other rich, moist soil. Cattle are not fond of it,

### 311 E. plumosa, Link.

Syn. - POA TENELLA, Linn.; P. PLUMOSA, Rets.

Veru.—Phularwa, bhurbhari, galgala, jhusa, N. W. P. (Duthie.)
Inhabits the plains of the North-West Provinces, Oudh and the
Punjab, where it grows in tufts on pasture ground.

Eaten by cattle and horses.

### EREMURUS.

# 312 Eremurus spectabilis, Bieb., LILIACEE.

Vern.—Shili, bre, prau, PB.

A plant with close spikes of white flowers, and linear radial leaves it is common in the north of the Punjab.

"The leaves when young are much eaten, both fresh and dry, cooked as vegetables." (Dr. Stewart.)

### ERIOBOTRYA.

## Eriobotrya japonica, Lindl., Rosacek.

LOQUAT OF JAPAN MEDLAR.

Vern .- Loquat, Beng., HIND.

A tree of the apple family, cultivated in Japan, China, Australia, and Southern Europe, for its fruit, which has the apple flavour.

Introduced from China into Bengal, thence extended to other Provinces, and now cultivated in many parts of India, chiefly on account of its fruit.

ERVUM.

The loquat fruit, which grows in clusters, is now well known. It is a small yellow fruit, I to 1½ inches long, with a thin skin, luscious pulp, and brown seeds. It improves in its quality in the plains of Northern India, than in those of the Lower Provinces; and it is esteemed by Europeans as well as natives.

### ERIODENDRON.

### Eriodendron anfractuosum, DC., Malvacez.

SILK COTTON TREE, OF WHITE COTTON TREE.

Syn.—Bombax pentandrum, Roxb.

Vern.—Shwet-simúl, Beng.; Hatian, senibal, kuntan, safed simal, katan, HIND.; Elava, ilavan, maram, TAM.; Pur, kadami, Tel.

A tall, deciduous tree, common throughout the hotter parts of India and Ceylon.

On the Coromandel Coast the Tamuls plant them about their temples. There are apparently three closely allied species, one of which was probably introduced from the West Indies.

#### ERUCA.

### Eruca sativa, Lam., CRUCIFERE.

Syn.—Brassica Eruca, Linn; B. Erucoides, Roxb.

Vern.—Duan, sahwan, tira, tara, taramira, dua, chara, N. W. P. and OUDH; Suffed-shorshi, Beng.; Siddartha, Sans.; Tara, assu usan, PB.

A native of South Europe and North Africa. Cultivated in places in North and Central India, Western Himalaya, ascending to 10,000 feet, also met with in the Upper Gangetic valley. (Hooker f. & T. And.) Generally raised as a cold weather crop and reaped in spring. In the Punjab it is more commonly cultivated in the arid parts.

In the North-West Provinces and Oudh its cultivation is most general in the western portions, it being commonly grown mixed with gram or barley, occasionally alone on dry lands and frequently in cotton fields; the total area is not known, but is probably over 40,000 acres; sowing takes place at any time between the beginning of September and the end of November, and the crop ripens in March to May. When grown alone or with cotton its produce of seed per acre varies from 4 to 12 maunds.

The seed is consumed to a great extent as human food, and is also used for expressing the oil which serves for lighting purposes and for anointing the hair. The dry leaves and stalks are not made use of; but the crop is sometimes cut green and given to cattle when fodder runs short. It is used in Southern Europe as salad.

#### ERVUM.

### Ervum Lens, Linn., Leguminosæ.

LENTIL.

Vern.—Masuri, Beng.; Masur, Hind.; Misurpurpur, Tam.; Misur-pappu, Tel.

A weak, pea-like, wing-leaved annual and a valuable pulse, a native of west temperate Asia, Greece and Italy, spread through Egypt to Europe and India (*DeCandolle*). It is the Lentil of Scriptures of which Esau's pottage was made.

314

315

#### EUGENIA.

317

318

320

In India it is largely grown as a winter crop, and it is universally eaten cooked, both by natives and Europeans. In the Punjab, excluding perhaps the more arid tracts, it is grown everywhere in the plains and hills, and up to 10,000 or 11,000 feet in the Himalaya. In the North-West Provinces and Oudh it is sown in all kinds of soils, but chiefly in low land (I maund of seeds to the acre), and produces on an average 6½ to 8 maunds grain per acre from unirrigated, and from 10 to 12 maunds from irrigated, land. The average area covered with the crop in the 30 temporarily-settled districts, North-West Provinces, is about 114,225 acres. In Bengal and the Central Provinces also it is cultivated to some considerable extent.

A trade is carried on in this pulse, but as the trade returns do not mention it separately it is not possible to give any figures regarding it.

The meal of Lentil, which is regarded as wholesome, is sold in England under the names of Evalenta or Revalenta, as food for invalids.

### EUCHLÆNA.

## Euchlæna luxurians, Téosinté, GRAMINEE.

Syn.—REANA LUXURIANS.

A native of Guatemala. Attempts have recently been made to intro-

duce this grass into the North-West Provinces and the Punjab.

The grass is described as a most excellent fodder for cattle, a prolific seed-bearer, with vigorous growth, attaining a height of from 14 to 15 feet in rich soil, but requiring constant irrigation. The attempts hitherto made to introduce this grass have not had any definite results, for, while in some places it has been favourably reported on, in others it has failed, and the general opinion is that it could never compete with the existing fodder plants of India, such as *juar*, &c., as its cultivation on a large scale would be too expensive owing to its requiring rich soil and constant irrigation.

#### **EUGENIA**

## Eugenia aquea, Burm., Myrtacez.

Vern.—Jambo-ayer.

A native of the Moluccas, introduced into Bengal. Blossoms in March, and ripens in May and June. The fruit is "about the size of a large medlar (loquat), with both ends flattened, surface smooth and polished, but uneven." (Roxb.)

There are two varieties: in one the fruit has a most beautiful, pale rose-colour and aromatic taste; in the other it is perfectly white.

### 319 E. claviflora, Roxb.

A tree of Sikkim and Khasia mountains, altitude 2,000 to 4,000 feet, of Sylhet, Chittagong and Pegu, Nicobar and Andaman Islands, Tenasserim, Singapore and Penang.

The fruit is eaten by the natives.

## E. formosa, Wall.

Vern.—Bara-jaman, Nepal; Bunkonkri, Mechi; Bolsobak, Garo; Famsikol, Lepcha.

A moderate-sized tree of the Eastern Himalaya and sub-Himalayan tract, near streams; also of Chittagong and Tenasserim. (Gamble.) Blossoms in April, and the fruit ripens in June and July.

The fruit is of the size of a walnut, and is eaten by the natives.

EUGENIA

## Eugenia Jambolana, Lam.

**32**I

Vern. Jáman, jám, jamoon, HIND. and BENG.; Chambu, GARO; Jamu, ASS.; Naval, naga, TAM.; Nasedu, nairuri, Tel.; Jambool, Bom.; Thabyai-pyoo, BURM.

A moderate-sized tree, found wild or in cultivation all over India, from the Indus eastward, ascending to 5,000 feet. It flowers in the beginning of the hot season, and the fruit ripens in July and August.

The fruit, is of the size of a pigeon's egg and is eaten by all classes of people: it is purple, sub-acid and rather astringent, and is improved in taste by being pricked and rubbed with a little salt, and allowed to stand an hour.

E. Jambos, Linn.

322

Rose Apple.

Syn.—Jambosa vulgaris, DC.

Vern. - Golab-jam, Beng., HIND.

A small-sized tree, native of the East Indies, which eminently combines the beauty of flower, fruit and foliage. The fruit, which is of the size of a hen's egg, is specially lovely.

Common in gardens in most parts of India and its islands; it flowers in February, and its fruit ripens in April to May.

The fruit is small, yellowish, rather wanting in juice, hollow, with two brown seeds, and is eaten by all classes. A preserve is sometimes made from the fruit.

E. Javanica, Lamk.

323

Syn.—E. Alba, Roxb.

Vern.—Jamrool, Beng., Hind.

A tree of Malacca, Andaman and Nicobar Islands. Introduced into Bengal, where it is now common, chiefly in gardens. Produces abundantly, in the hot and rainy seasons, a fruit which, grape green when young, and pure white when ripe, shining, "peelless," watery and refreshing, but almost tasteless.

The fruit is eaten by all classes of people.

E. malaccensis, Linn.

324

MALAY APPLE OF the KAVIKA TREE.

Vern. - Malacca jamrool, Beng., HIND.; Thabyoo-thabyay, BURM.

A handsome tree, with a profusion of either white or scarlet flowers, followed by an abundance of fruit of the size of a small apple. It is a nativelof the Malay Islands, and is now cultivated in Bengal and Burma, chiefly in gardens.

Produces at different periods of the year a large, juicy fruit, which is very commonly eaten, though rather insipid. (Roxb.) The pulp of the fruit is said to be wholesome and agreeable.

In the Malay's eye, the 'kavika' tree represents all that is lovely and beautiful. The Indian species, as shown by the contradictory accounts given of the fruit, seems to be different from the Malayan.

E. obovata, Wall.

325

Vern. - Kiamoni, Nepal; Jung-song, Lepcha; Boda-jam, Mechi. An evergreen tree found in the Bengal and Burma forests. Produces a fruit which is eaten by the natives.

#### EURYALE.

220

Eugenia operculata, Roxô.

Vern .- Rai-jaman, dugdugia, HIND.; Yethabyay, BURM.

Met with along the sub-Himalayan tract, also in Chittagong, Burma, and Western Ghats. It blossoms in March and April, and its fruit ripens two months later.

The fruit is eaten.

327

E. Pimenta, DC.

THE PIMENTO TREE

Introduced from America.

The leaves are sweetly aromatic, astringent, and often used in sauce. The berries are used for culinary purposes.

### EULOPHIA.

328

Eulophia campestris, Lindl., ORCHIDER.

Vern.—Sálib misrí, PB.

An orchid found in Oudh and Rohilkhand, and in the Siwaliks of the Gangetic Doab.

The tubers are collected and used by the natives chiefly as a tonic and aphrodisiac, and a small trade is carried on in the commodity. The Europeans in Northern India and some of the Himalayan and Nilgiri Hill stations collect the roots of this and some other allied species and use it for family consumption as salep, as it is an easily digestible kind of farinaceous food.

320

E. vera, Royle.

The remarks under E. Campestris apply here also.

## EUONYMUS.

330

Euonymus fimbriatus, Wall., CELASTRINEE.

THE SPINDLE TREE.

Vern .- Siki, wattal, banchor, karun, sidhera, PB.

A small tree found in the Himalaya, Kumaun to Sikkim.

The leaves are eaten by goats.

# EURYALE.

**331** 

Euryale ferox, Salisb., NYMPHEACEE.

THE GORGON PLANT.

Syn.—Anneslea spinosa, R.

Vern .- Makhana, Beng., Hind.; Yewar, PB.

A plant of the Water Lily family, a native of India.

A stemless, aquatic plant of the sweet-water lakes and ponds of East Bengal, Oudh and Kashmir. Its circular leaves, 2 to 3 feet in diameter, float full flat on the surface of the water. Has long flowers of a lovely blue violet or bright red with green on the outside, and produces round prickly berries of the size of an orange which swell out in various places by the growth of the seeds within.

	FERU
The seeds, which are black in color and of the size of peas, are farinaceous, sold in the public bazars, and much liked by the natives, by whom they are much eaten after being roasted in hot sand and husked.	
EXCÆCARIA.	
Excæcaria baccata, Müll.; Euphorbiaces.	332
Vern.—Lal-kainjal, Nepal; Adamsali, Ass.; Billa, Sylhet; Linhlun, Burm.	:
A large tree of North and East Bengal and Burma. The bark is chewed by the natives of Assam.	
FAGOPYRUM.	i I
Fagopyrum emarginatum, Meisn., Polygonacez.	333
Vern.—Phapar, Kumaun; Bhe, Bhutia; Daran, phulan, Pb.	
Grows at elevations 7,000 to 12,000 feet. Has a white or yellow flower; ripens in September and October. The seeds are oval, acute, nearly triangular, with acute, smooth, brilliant angles. (Atkinson).  The leaves are used as pot-herb.	
F. esculentum, $Manch$ .	334
THE BUCKWHEAT OF BRANK.	
Syn.—Polygonum Fagopyrum.	
Vern.—Chin, trumba, katu, phaphra, kaspat, PB.	
Cultivated to a certain extent in Upper India.  Used by the poorer classes of natives as food. Its seeds are ground into meal and made into thin cakes. Its seeds are used to feed pheasants. While ranking higher than rice as a nutritious food for men, it is greatly inferior to wheat.	
	· ```
FERONIA.	
Feronia Elephantum, Correa, RUTACEE.	335
THE WOOD-APPLE.	
Vern.—Bilin, kapittha, SANS.; Kat-bel, HIND.; Kait, kath-bel, BENG.; Kavatha, katori, SIND.; Vallanga, vela, kairt, TAM.; Velagá, yellanga, TEL.; Hman, BURM.	
Found in the sub-Himalayan forests from the Ravi eastward, in Bengal, South India, and the Chanda district of the Central Provinces. It is indeed common throughout India, Ceylon and Burma. Produces a round, hard-shelled fruit, of the size of a large apple, and of strong odour when ripe, and very acrid. It tastes like the Bengal quince. Natives sometimes eat the raw fruit with sugar. A jelly, much resembling black-currant jelly, is prepared from it, which, however, has a very astringent taste.	673
FERULA.	
Ferula Narthex, Boiss., Umbellifer E.	336
Asafætida.	ر س
Vern.—Hing, BENG., HIND.; Hingu, SANS.; Perungayam, TAM.; Inguva, TEL.; Angusa, AFG.	
A perennial plant of the Carrot family; it is a native of Persia, Afghan- istan and the region of the Oxus.	

FICUS.

In Afghanistan the leaves are used as a vegetable, and the succulent part of the young stem, after being roasted, is eaten with salt and butter. The stinking juice of its root, known to commerce as the drug Asafœtida, is used for seasoning curries and other food.

### FESTUCA.

337

Festuca duriuscula, Linn., GRAMINER.

HARD FESCUE GRASS.

Syn, -F. OVINA, Linn.

This fodder grass inhabits the Himalaya, and extends into Kashmir and Western Tibet.

A good sheep fodder.

338

F. elatior, Linn.

Met with in Kumaun.

Mueller writes: "It is well adapted for permanent pastures, has tender leaves, produces excellent hay, and is early out in the season"; and he adds that it is superior to rye grass in produce.

339

F. gigantea, Vill.

Syn.—F. TRIFLORA, Sm.; BRORNUS GIGANTEUS, Linn.; B. TRIFLORUS, Linn.

A good forest grass of the north-western tracts of the Himalaya.

340

F. ovina, Linn.

SHEEP'S FESCUE.

Met with in the North-West Himalaya and Kashmir. This is a short, wiry grass on which sheep feed.

**341** 

F. rubra, Linn.

PURPLE FESCUE.

Occurs in Mussouree hills.

Royle says, that this grass, from its greater produce, is more valued than F. ovins.

### FICUS.

342

Ficus bengalensis, Linn., URTICACEE.

THE BANYAN TREE.

Syn.-F. INDICA, Roxb.

Vern.—Bor, bar, ber, bargat, Hind.; Bur, but, Beng.; Boru, Uriya; Borar, Nepal; Kangji, Lepcha; Banket, Garo; Bot, Ass.; Ala, Tam.; Mári, peddi-mari, Tel.; Ahlada, Kan.; War, vada, Mar.; Pyesnyoung, Burm.

A large tree, wild in the lower regions of the East Himalayan tracts, Bengal and Central India, and planted throughout India.

Under the head of food the only use that can be mentioned is that the small, reddish, yellow fruit is sometimes eaten by the poorer natives.

343

F. Carica, Linn.

THE COMMON FIG.

Vern.—Anjir, HIND.; Kimri, fagu, faguri, fagari, PB.; Anjira, Bom. Cultivated in the North-Western Provinces, the Punjab, and the Western Himalayas.

FICUS. The so-called fruit of the Fig is not a true fruit, but a fleshy receptacle, in the interior of which are found the true flowers and seeds. From Afghanistan, figs of a better quality than those grown in India are imported into the Punjab in certain quantities annually. The fruit is not uncommon, and is eaten to a certain extent chiefly by the natives. It is inferior to the fig of Western Asia. 344 Ficus cordifolia, Roxb. Vern.—Gai aswat, Beng.; Rumbal, badha, Pb.; Kabar, gajna, pipul, HIND. ; Pakar, NEPAL ; Pakri, Ass. ; Prab, GARO ; Nyoungpyoo, BURM. A large tree of the outer Himalaya, Bengal, Central India and Burma. Produces a fruit which is perfectly round, and when ripe has the size and appearance of a black cherry The fruit is eaten by the natives. The leaves and branches are used for cattle fodder. F. Cunia, Buch. 345 Vern .- Khewnau, khurhur, HIND.; Kunia, KUMAUN; Kanhya, NEPAL; Dumbur, yajya-domur, Beng. A moderate-sized tree of the sub-Himalayan tract from the Chenab eastward, ascending to 4,000 feet. It is also found in Bengal and Burma. The fruit is eaten and is good, though somewhat insipid. 346 F. glomerata, Roxb. Vern.—Gular, paroa, umar, HIND.; Jagya, doomoor, Beng.; Dumri, NEPAL; Tchongtay, LEPCHA; Kathgular, krumbal, dadhuri, PB.; Atti. TAM. ; Moydi, TEL. ; Ye-tha-pan, BURM. A large tree of the Salt Range, sub-Himalayan tract, Bengal, Central and South India, and Burma. The fruit is very inferior, but is occasionally, says Dr. Stewart, eaten raw and in curries by the poor. Gamble says that the ripe fruit is eaten, and is good either raw or stewed. F. hispida, Linn. f. 347 Syn .- F. OPPOSITIFOLIA, Roxb.; F. DEMONA, Konig. Vern. -- Kako-doomoor, BENG.; Daduri, degar, PB.; Konea-doombur, kag-sha, gobla, totmila, HIND.; Khoskadu-mar, ASS.; Boda-mamadi, TEL.; Kadot, Burm. A moderate-sized tree of the outer Himalaya from the Chenab eastward, ascending to 3,500 feet; found also in Bengal, Central and South India, Burma, and the Andaman Islands. The fruit, which is small and covered with much short white hair, is not often eaten. The leaves are lopped for cattle fodder. F. infectoria, Wall. 348 Vern.—Pakur, Hind., Beng.; Jangli-pipli, war, PB.; Safed-kabra, Nepal;
Pepre, kurku, Tam.; Nyoungchin, Burm. A large tree extending from the Sulaiman and Salt Ranges, along the outer Himalaya, to Bengal, Central India, and Burma. The young shoots are said to be eaten in curries by the natives. The leaves make good elephant fodder. (Gamble.)

A moderate-sized tree of the outer Himalaya from Jhelum to Sikkim.

The leaves are lopped for cattle fodder (Gamble).

F. nemoralis, Wall.

85

### FLACOUR-TIA.

350

## Ficus religiosa, Linn.

THE SACRED FIG OF PEEPUL TREE.

Vern.—Pipal, Hind.; Ashathwa, aswat, aséd, Beng.; Arasa, Tam.; Rái, ragi, ravi, Tel.; Nyoungbandi, Burm.

A large tree, sacred to Hindus and Buddhists, is commonly cultivated along roadsides throughout India, and grows wild in the sub-Himalayan tract, in Bengal and Central India.

The small, smooth, elliptical leaves and branches are good elephant fodder. The young leaf buds are eaten in Central India in famine times. (Gamble.)

### **35**I

### F. Roxburghii, Wall.

Syn. -F. MACROPHYLLA, Roxb.

Vern.—Doomoor, Beng.; Timal, HIND.; Kasrekan, Nepal; Kundoung, Lepcha; Sin-tha-hpan, Burm.

A native of the outer Himalaya from the Indus eastward, also of Sylhet, Chittagong and Burma.

The fruit is eaten in curries. The leaves are used as fodder.

### 352

### F. virgata, Roxb.

Syn. -F. CARICOIDES, Roxb.

Vern. - Gular, khabar, anjiri, beru, HIND.; Fagara, thapur (plains), fagu, dudhi, kak (hills), PB.; Anjir, AFG.

A moderate-sized tree, found on the Sulaiman and Salt Ranges. and in the outer Himalaya eastward to Nepal (Gamble).

The fruit is eaten by the natives in the Punjab hills, but is generally poor fruit. The leaves are given to cattle as fodder.

### FLACOURTIA.

#### 353

# Flacourtia inermis, Roxb., BIKINEE.

Vern.—Tomi-tomi, MAL.; Ubbolu, KAN.

Probably introduced from the Moluccas. At present found in Sylhet, South India and Martaban. The tree blossoms during the dry season, and ripens its fruit towards the close of the rains.

The fruit, says Roxburgh, is too sour to be eaten raw; but makes very good tarts. In the Moluccas it is eaten.

354 F. Ramontchi, L'Herit., var. sapida.

THE INDIAN PLUM.

Vern.—Bincha, Beng.; Suadoo-kuntuka, Sans.; Kundayee, bunj, bow-chee, Hind., Dec.; Kúkai, kangú, kukoa, kandei, Pb.; Bávache, Sind.; Peda-kanru, Tel.; Na-yuwai, Burm.

A large shrub or small tree, which is found along the lower hills, sometimes to 3,500 feet, in the Salt Range, on the skirts of the Sulaiman Range and the Western Ghats; also in Prome.

The fruit and the leaves are eaten. The fruit is of the size of the plum,

and of a sharp but sweetish taste.

#### 355

### F. sepiaria, Roxb.

Vern.—Kondai, HIND.; Sherawane, sargal, dajhar, jidhar, khatái, kinga-ro, PB.; Atrúna, Bom.; Kanru, Tel.

A small, stiff, spiny shrub, found in dry jungles throughout Bengal, the Western Peninsula, and Ceylon. It occurs about Delhi, in the Salt Range, and on the skirts of the Sulaiman Range, and is extensively used as hedges.

FRAGA-RIA. The fruit is said to be eaten by the natives in the Punjab tracts where it is found, but it is small, hard and insipid; it is however by others described as "pleasant, refreshing and sub-acid." The leaves are thrashed out for cattle fodder. FLEMINGIA. Flemingia congesta, Roxb., Leguminos. 356 Vern.—Bara-salpan (as in Roxb.), bhalia (as in Gamble), Beng. and Hind.; Batwasi, Nepal.; Mipitmák, Lepcha. Roxburgh also gives for var. nana the vernacular names of Supta, cusunt, Hind. An erect, woody shrub of the pea family, common in the thickets and forests of the warmer parts of India. The Flora of British India reduces to this species the following forms described by Roxburgh as distinct (see Ed. C. B. C., pp. 571-72):-F. procumbens, F. prostrata, F. nana, F. congesta and F. semialata forming four varieties :-Var. 1.—semialata—Central Himalaya, ascending to 5,000 feet. Var. 2. latifolia-Khási Hills, altitude 2,000 to 3,000 feet. Var. 3.-Wightiana-Nilgiris, Bhutan, Ava. Var. 4.—nana—Central and Eastern Himalaya and the Konkan. The legumes produced by this species are probably eaten by the natives. 357 F. vestita, Benth. Cultivated in many parts of the North-West Provinces for the sake of its edible tuberous roots, which are nearly elliptical and about an inch long. (Lindley and Moore's Treasury.) FŒNICULUM. Fæniculum vulgare, Gærin., Umbelliferæ. 358 FENNEL. Syn. - F. Panmorium, DC.; F. officinale, Allion; Anethum Fænicu-LUM, Linn. Vern.—Saunf, Hind.; Mauri, Beng.; Sohikire, Tam.; Wariaree, Guz.; Pedda-jila-kurra, Tel., Bari-shopha, Bom. This perennial of the Carrot family attains a height of 5 to 6 feet, and is commonly cultivated throughout India in all altitudes up to 6,000 feet; sometimes wild. The fennel seeds produced by this plant are well known. The plant itself is frequently cultivated as a pot-herb in the plains. Its leaves are strongly aromatic and are used in fish sauces. Fennel oil is got from its roots. Roxburgh says: - "This plant is cultivated in various parts of Bengal during the cold season for the seed, which the natives eat with their betle, and also use in their curries. Seed time—the close of the rains, about the end of October. Harvest in March, when the plants perish. FRAGARIA. 359

Grows in the Himalayas from east to west, altitude 7,500 to 8,000

Fragaria indica, Andr., Rosacez.
Indian Strawberry.

feet; also in Khásia hills and Nilgiris. The fruit is spongy and insipid.

GARCI-NIA. 360

# Fragaria vesca, Linn., var?

STRAWBERRY.

Vern.—Kansars, ingrach, bunun, tawai, Ps.

Found wild in the temperate Himalaya from Murree and Kashmir, altitude 5,000 to 10,000 feet, to Sikkim, altitude 6,000 to 13,000 feet. (Hooker.)

Dr. Stewart says this is excellent when gathered dry, and improves by cultivation in a garden. It is one of the most wholesome of fruits.

### FRAXINUS.

**3**61

# Fraxinus xanthoxyloides, Wall., OLEACEE.

THE ASH.

Vern.—Hanus, nuch, shilli, chuj, thum, shangal, PB.; Shang, AFG.; Auga, gaha, N. W. P.

A small tree of Afghanistan, the Trans-Indus and the North-West Provinces from the Jhelum to Kumaun. (Gamble)

Dr. Stewart says its leaves are used as fodder.

### GARCINIA.

362

# Garcinia Cambogia, Desr., Guttiferæ.

Vern. - Aradal, KAN, ; Heela, BURGHERS.

A small, evergreen tree on the Western Coast, and met with in Ceylon. The acid rinds of the ripe fruit are eaten, and in Ceylon are dried and eaten as a condiment in curries.

363

## G. indica, Choisy., GUTTIFERE.

Vern.—Brindall, Goa.; Amsool, kokum, Bom.

Common in the Western Gháts, in Konkans and Kanara.

Produces a purple fruit of the size of a small orange, with an agreeable acid flavour. A syrup is made from it.

364

# G. Mangostana, Linn.

THE MANGOSTEEN.

Vern .- Mengkop, Burm.

An evergreen tree, native of the Straits; cultivated in British Burma on account of its fruit, which is pronounced the most delicious of all known fruits.

The fruit is of about the size of a small apple, of a reddish brown colour when ripe. Inside its thick, succulent, astringent rind is a juicy white pulp of a delicate, refreshing, sweet flavour.

Repeated attempts at introducing the tree into India in various parts have failed. The steamers from the Straits bring up large quantities annually to Calcutta. The fruit is much esteemed both by Europeans and Natives.

365

## G. Morella, Desr.

THE GAMBOGE TREE.

Syn. - G. PICTORIA, Roxb.

Vern.—Aradal, punar puli, KAN.; Gokatú, kanagoraku, CINGH.; Makki, TAM.

An evergreen tree met with in the forests of the Khasia Hills, East Bengal, Western Coast, and Ceylon.

	GLY
A concrete oil is obtained from the seeds, which is chiefly used as a lamp-oil by the better classes of natives, and by the poor as a substitute for ghee.	CINE
Garcinia pedunculata, Roxb.	366
Vern.—Tikul, tikur, Beng.; Borthekra, Ass.	0
A tall tree, native of Rangpur, Goalpara, and Sylhet. Flowers from January to March, and its fruit ripens from that time to June. The fruit is large, round, smooth and yellow when ripe.  Roxburgh writes:—"The fleshy part of the fruit which covers the seeds and their proper juicy envelope, or aril, is, in large quantity, of a firm texture and of a very sharp, pleasant, acid taste. It is used by the natives in their curries and for acidulating water. If cut into slices and dried it retains its qualities for years, and might be most advantageously employed during long sea voyages as a succedaneum for lemons or limes, to put into various messes, where salt meat is employed, &c."	
G. stipulata, T. And.	367
Vern.—Sama-kadan, LEPCHA.	<b>U</b> -,
Found in Sikkim and Bhutan, up to 4,000 feet.  The fruit produced by this species is yellow, and is sometimes eaten by the Lepchas.	
GARUGA.	
Garuga pinnata, Roxb., Burseracez.	368
Vern.—Ghogar, kaikar, HIND.; 9úm, kharpat, BENG.; Gendeli poma, Ass.; Dabdabbi, NEPAL; Gia, MECHI; Chitompa, GARO; Kharpat, kilmira, sarota, PB.; Kukar, kaikra, C. P.; Garuga, gár-gá, TEL.; Karre vembu, TAM.; Mohi, URIYA.  A large tree of the sub-Himalaya, Central and South India, and Burma. Flowers in the hot season, and produces a fruit which is eaten by the natives, both raw and cooked. In the Punjab, and perhaps elsewhere, the leaves are used as fodder especially for elephants.	
GLYCERIA.	
Glyceria fluitans, R. Br., Gramine E.  Manna grass.	369
Syn.—Festuca fluitans, Linn.; Poa fluitans, Scop.  Met with in Baspa Valley, 9,000 feet in altitude. (Brandis.)  A perennial grass with tender foliage; delights in stagnant water, ditches, pools, ponds, and slow flowing streams, covering their surface.  The seeds are sweet and tender, and are in many countries used for porridge.	
GLYCINE.	
Glycine Soja, Sieb. & Zucc., Leguminosz.	370
THE SOY BEAN.	J, -
Syn.—Dolichos Soja, <i>Linn.</i> ; Soja hispida.	
Vern.—Gari-kulay, Beng.; Bhat, bhatwan, HIND.; Tsu dsa, NAGA.  A pulse (densely clothed with fine, ferruginous hairs) sub-erect met with in tropical regions and outer Himalaya, from Kumaun to Sikkim, the Khási	
and the Naga Hills to Upper Burma. Dr. Stewart mentions a field of Bhat	

#### GOSSY-PIUM.

having been observed in Bissahir in the Punjab, altitude 6,000 feet. It is chiefly met with in a state of cultivation. Dr. Roxburgh first saw the plant from seed received from the Moluccas in 1798.

The pulse is an important food article in Tibet. It is made in India

into a sauce called Soy.

The advisability of extending its cultivation in Himalayan tracts was pressed on the Government of India in 1882, by Professor Kinch, and the attention of local officials also was called to it.

### GLYCOSMIS.

### **371**

Glycosmis pentaphylla, Correa., RUTACEE.

Vern.—Ban-nimbu, potali, girgitti, HIND.; Kirmira, Bom.; Taushouk, Burm.

Throughout tropical and sub-tropical Himalaya, Upper Assam, and southwards to Travancore and Ceylon.

One of the commonest plants in India, if (Sir J. Hooker writes) the shrubby G. pentaphylla and arboreous G. arborea are the same species. Both produce a white edible berry usually of the size of a large pea.

### **GMELINA**.

### 372

Gmelina arborea, Roxb., Verbenaceæ.

Vern.—Gumar, Beng., Hind.; Gambari, Nepal., Uriya; Gomari, Ass.; Bolkobak, Garo.; Guniadi, cummi, Tam.; Gumartek, tagumudu, Tel.; Shewney, Kan.; Shewan, Mar.; Chimman, Bhil.; Kurse, Gond.; Yamaney, Burm.

A large timber tree of the sub-Himalayan tract from the Chenab eastwards, and throughout India, Burma and the Andaman Islands.

Flowers in the beginning of the hot season, and produces a fruit which is eaten by Gonds and other wild hill tribes. The leaves are used as fodder, and deer are very fond of them.

### GNETUM.

### *3*73

Gnetum scandens, Roxb., GNETACEE.

Syn.-G. EDULE, Bl.

Vern.—Nanu-witi, Sylhet; Kumbal, umbli, Bom.; Gyootnway, Burm.

A large, climbing shrub of Sikkim, Khásia Hills, East Bengal,
Western Gháts, Burma and the Andamans. Flowers in March and
April, and its fruit ripens in September and October.

The fruit is rather larger than the largest olive, and, when ripe, it becomes smooth, orange-coloured. The outer succulent coat or pulp is commonly eaten by the natives, and the seeds are roasted and eaten.

## GOSSYPIUM.

# ુ∷ **374**

Gossypium herbaceum, Linn., MALVACEE.

THE COMMON INDIAN COTTON.

Verti.—Rui, Hind., Pb.; Kapas, Beng., Dec.; Vun-paratie, Tam.; Pauttie, Tel.; Karpast, Sans.; Pambah, Pers.; Kurtam ussul, Arab.

A small specimen was exhibited in Madras in 1855. This may be a mistake for G. arboreum, if not for Bombax malabaricum.

	GREWIA
The cotton plant of all species grown in India may be included under the head of "food," because the seeds of all are to a small extent given as food to cattle. The seeds, which are of about the size of small peas, contain a large quantity of oil, and are said, when crushed and made into cakes, to be nourishing to cattle, and might be more generally used for such a purpose.	
GREWIA.	,
Grewia asiatica, Linn., TILIACEE.	375
Vern.—Phalsa, pharoah, Hind., Sind., PB.; Dhami, Ajmir; Phalase, Bom.; Shukri, Beng.; Phutiki or Putiki, Tel. A small, hazel-like tree wild in Central India and Rajputana; culti-	
vated more or less commonly throughout India; and said to be indigenous in the Salt Range, Poona, Oudh and Ceylon. It flowers about the end of the cold season, and its little fruit ripens in April and May.  The fruit has a pleasant, acid taste, and is commonly eaten. It is also as commonly distilled, and a syrup is made from it which is refreshing and pleasant in the hot months. It is also used for flavouring sherbets.	:
Var. vestita, Wall.	376
Vern.—Pharsia, dhamun, bimla, HIND.; Farri, phalwa, PB.; Poto-dhamun, PALAMOW; Kunsung, LEPCHA; Pintayan, BURM.  Met with in the sub-Himalayan tract, Bengal, Central India, and Burma.	0,10
The branches are lopped for fodder.	,
G. excelsa, Vahl.  Syn.—G. Rothii, DC.; G. Salvifolia, Roxb.  A shrub of East Bengal, Assam, and Coromandel; found also in Sikkim and Bundelkhand.  Flowers in the hot season, and its fruit ripens a few months later. The fruit is small, agreeable to the taste, and eaten by the natives.	377
G. oppositifolia, Roxb.	378
Vern.—Dhamman, pharwa, PB.; Biul, biung, bahul, bhengal, bhenwa, bhimal, HIND.; Pastuwanne, AFG.	•
A small tree of the North West Himalaya, from the Indus to Nepal, both wild and cultivated. Flowers during the summer, and its fruit ripens	
The leaves are commonly used for fodder during the winter. The berries have a pleasant, acid taste, and are used for making sherbet.	
G. populifolia, Vahl.	379
Syn.—G. BETULÆFOLIA, Yuss. Vern.—Ganger, PB.; Gange, SIND.; Gangerun, RAJPUTANA. A small shrub of the arid tracts of the Punjab, Sindh, Rajputana, and Western Peninsula down to the Nilgiris.	
Produces a small, orange-red, acid fruit, which is eaten by the natives.	2
G. salvifolia, Heyne.	380
Vern.—Bather, nikki-bekkar, gargas, PB.; Saras, AJMERE; Gara, CIRCARS.  A small tree met with in the Punjab, Sind and Central Provinces, and South India.	<i></i>
Fruit small, but edible.	

#### HARD-WICKIA. 381

384

### Grewia scabrophylla, Roxb.

Vern.—Pharsia, KUMAUN.

A small shrub of the tropical Himalaya, Assam and Chittagong. Flowers in April, and its fruit ripens in October. The fruit is of the size of a large gooseberry, nearly round, brownish grey when ripe; its pulp is glutinous, and of a pale yellow colour, eaten by the natives.

382 G. tiliæfolia, Vahl.

Vern.—Pharsa, dhamin, HIND.; Khesla, GOND; Charachi, Tel.; Dhamono, URIYA; Dhamnak, BHIL; Sadachu, MAL.

A moderate-sized tree of the tracts under the Himalaya from the Jumna to Nepal, also of the hot, dry forests in Western, Central and South India.

It flowers in the hot season, and the fruit is eaten by the natives.

383 G. villosa, Willd.

Vern.—Insarra, pas, tuwanne, PB.; Dhohan, Ajmere; Jalidar, kaskúsri, thamther, SALT RANGE.

Found in Western and Southern India, extending from Punjab and Sindh to Travancore.

The fruit is sometimes eaten by the natives, but is poor.

### GUAZUMA.

Guazuma tomentosa, Kunth, Sterculiacez.

Vern .- Thainpuche, IAM.; Rudraksha, TEL.

Generalty distributed and frequently cultivated, in the warmer parts of India and Ceylon, but perhaps only introduced.

The fruit is filled with mucilage, which is very agreeable to the taste.

### GYNANDROPSIS.

385 Gynandropsis pentaphylla, DC., Capparidem.

Syn.—CLEOME PENTAPHYLLA, Linn.

Vern.—Kanala, Beng.; Hulhul, bugra, gandhuli, Pb.; Nai-kadughu, nai-vaila, TAM.; Caat-kododu, MAL; Wominta, Tel.

A small, annual plant, flowers in July and August.

Abundant throughout the warmer parts of India and all tropical countries (Hook. f. & Thomas).

The leaves are eaten by natives in curries.

## HARDWICKIA.

386 Hardwickia binata, Roxb., Leguminos E.

Vern.—Anjan, Hind., Mar.; Acha, alti, Tam.; Naryepi, yapa, Tel.; Kamra, Kan.; Parsid, Singrowli.

A large tree found in the dry forests of South and Central India, as far north as the Banda district of the North-West Provinces, also in Behar.

The leaves are given as fodder to cattle.

### HETERO-POGON. HEDERA. Hedera Helix, Linn., ARALIACEA. 387 THE IVY. Vern. – Halbambar, kuri, karur, dakari, karbara, banda, PB.; Dudela, A large, woody climber common in places throughout the Himalaya, at 6,000 to 10,000 feet extending into the Khási Hills. Dr. Stewart writes: "It is stated to be a favourite food of goats, and in Kulu the leaves are said to be added to the beer of the country to make it strong." Its berries afford abundance of food to birds. HELIANTHUS. Helianthus tuberosus, Linn., Composita. 388 THE JERUSALEM ARTICHORE. Stated to be originally a native of Brazil, extensively cultivated as a vegetable for its roots which are similar to small potatoes. They are regarded as more wholesome and nutritious than potatoes, and may be eaten by invalids when required to abstain from vegetable food. They must not be confounded with the true Artichoke. The name Jerusalem Artichoke is a corruption of the Italian Gerasoli Articocco or Sun-flower Artichoke. HEMARTHRIA. **38**9 Hemarthria compressa, R. Br., GRAMINEE. Syn. - ROTTBUFLLIA COMPRESSA, Linn.; R. GLABRA, Roxb. Vern. - Ransheroo, buksha, BENG.; Shervoo, TEL. A perennial grass of Bengal, inhabiting also the plains and hills of the Punjab and North West Provinces. Roxburgh says that it is found on the borders of lakes, amongst other roots of long grass and brushwood; and he mentions the variety R. glabra as growing on pasture lands, the borders of rice-fields and other moist places. Cattle are fond of it; and graziers in Gyppsland, says Mueller, highly esteem it for moist pasture. HERACLEUM. Heracleum, Sp., Umbelliferæ. 300 Vern.—Padali, poral, PB. Common in parts of the Punjab Himalaya, from 8,500 to 11,000 feet in altitude. Dr. Stewart says that in Bissahir and Chumba it is collected for winter fodder, and quotes Cleghorn, who mentions that it is believed to increase the milk of goats fed with it. HETEROPOGON. Heteropogon contortus, R. & S., Graminez. 39I THE SPEAR GRASS.

Vern.—Parba, banda, sarwar, musel, lap, N. W. P.; Suriala, surari,

Grows in tufts on rich pasture ground. Duthie writes: "Common both

Syn.—Andropogon contortus, Linn.

PB.; Yeddi, TEL.

#### HIBISCUS.

in the plains and on the hills of the Punjaband North West Provinces. It grows in light soil about Banda, attaining a height of about 3 feet; in soil mixed with kunkur (rakar) it reaches 5 feet in height (Miller.) It is common on the rock tablelands of the hilly country south of Allahabad (Benson). Abundant also on the warm lower slopes of the Himalayas, and up to an elevation of 7,000 feet in some parts.

"Cattle eat it when fresh; it makes good hay when the seeds fall off; it

is the main fodder grain of Bandelkhand" (Crooke).

### HIBISCUS.

302

## Hibiscus Abelmoschus, Linn., MALVACEE.

THE MUSK MALLOW.

Syn.—ABELMOSCHUS MOSCHATUS, Mænch.

Vern.—Kasturi, kalla kasturi, bhenda, HIND., Bom.; Mushakdana, kalakasturi, Beng.; Mushk-bhendi-ke-binj, Dec.; Kastura benda, kathe kasturi, TAM.; Kasturi-bendavittulu, Tel.; Hub-ul-mushk, ARAB.; Mushk-dana, Pers.

A herbaceous bush, springing up with the rains and flowering in the cold season. Leaves of various shapes; the lower, broad, ovate, cordate; the upper, narrow, hastate, very hairy. Common throughout the hotter parts of India, now met with in most other tropical countries.

393

### H. cannabinus, Linn.

INDIAN OF DECCANI HEMP; ROSELLE HEMP; HEMP-LEAVED · HIBISCUS; BASTARD JUTE.

Vern.—Mesta-pát, nalki, pulua, Beng.; Patsan, pitwa, san, lattia-san, HIND.; Gakró, NAGA HILLS; Ambádá, Bom.; Ambári, sankokla, pat-san, suni, Dec., HIND.; Palungú, TAM.; Goukura, Tel.; Garnikura, SANS.

A small, herbaceous shrub, with prickly stems apparently wild east of the Northern Ghats; and cultivated, in the North West Provinces, Oudh, and the Punjab, northern portion of Bengal, and met with in the Naga Hills. Stewart says it grows at Ghuzni, altitude 7,000 feet, and is not uncommon on the North-Western Himalaya at 3,000 feet.

No details of the area cultivated are available. It is, however, rarely cultivated as the only crop, but as a border to fields of cotton,

indigo and sugar-cane.

The chief object of the cultivation is the fibre, which, although extracted in the most primitive system by submerging the stalks in water for a number of days and pulling off the bark by hand, is soft, white and

The young foliage of the crop is eaten as a vegetable by the natives of the tracts where it is grown; and the seeds are roasted and also

eaten by them.

394

### H. esculentus, Linn.

THE EDIBLE HIBISCUS; OCHRO OF WEST INDIES; GOMBO, Fr.

Vern.—Bhindi, ranturi, HIND.; Dhenras, BENG.; Vendi (or bhendi), vendaik-kay, TAM.; Venda-kaya, TEL.; Bamya, ARAB., PERS.

A herbaceous, annual bush, naturalised in all tropical countries; only met with in a cultivated state; probably a native of both India and the West Indies.

The unripe fruit is a favourite vegetable and medicine. When young and tender the fruits, being very mucilaginous, are commonly eaten boiled or in soup by Europeans. Natives eat it more matured chiefly in curries.

HOLBŒL+ LIA. **395** Hibiscus ficulneus, Linn. Vern. - Ban-dhenras, Beng.; Dula, PB.; Parupu benda, TAM. Grows in the hotter parts of India. The seeds are often put in sweetmeats, and are employed in Arabia for giving perfume to coffee. 306 H. Sabdariffa, Linn. THE ROZELLE FIBRE. Vern,—Mesta, Beng.; Lal-ambari, patwa, Dec., Hind.; Lala ambadi, Sind.; Sivappu-kashuruk-kai, Tam.; Erra-gom kaya, Tel. A small bush, cultivated in many parts of India on account of the succulent and acrid calyx. The fleshy calyx and capsule are largely made into jam and other preserves, and in the fresh state are very acrid but refreshing. A decoction of them sweetened and fermented is commonly called in the West Indies Sorrel drink. The leaves are used in salads, HIPPOPHÆ. Hippophæ rhamnoides, Linn., Elmagnem. 397 Vern.—Tsarap, sirma, tsuk, tarru, niechak, North PB., LADAK to LAHOUL. A shrub in moist, gravelly stream-beds of the Punjab Himalaya, from 5,000 to 10,000 feet in altitude. Produces a small, sour fruit, which makes a good jelly, and is some-Smith, in his Economic Dictionary, says the fruit is acrid and poisonous. HOLARRHENA. Holarrhena antidysenterica, Wall., Apocynaceæ. 398 Syn.-H. PUBESCENS, Wall.; H. CODAGA, Don; ECHITES ANTIDYSEN-TERICA, Roxb.; CHONEMORPHA ANTIDYSENTERICA, Don. Vern,—Inderjau, dudhu-ki-lakri, Hind.; Vepali, veppaula, veppalay, Tam.; Kodoga-pala, pala-chettu, Tel. A plant of the sub-Himalayan tract, Oudh, Bengal, Central and South India. The seed is largely used as a medicine, being antidysenteric, in small doses tonic, eaten for this purpose. The leaves appear to be used as fodder. (or litter?) (Stewart.) HOLBŒLLIA. Holbællia latifolia, Wall., Berberider. 300 Vern.—Gophla, Kumaun; Bagul, Nepal; Pronchadik, Lepcha; Domhyem, BHUTIA. A climber found in the Himalaya, altitude 4,000 to 9,000 feet, from

Kumaun eastward also in the Khásia Hills, and Upper Assam.

Produces a large, edible fruit.

.95

HOVENIA.

### HORDEUM.

400

## Hordeum vulgare, Linn., GRAMINEE.

BARLEY.

Syn.-H. HEXASTICHON, H. DISTICHON, Linn.; H. CELESTE, Viborg. (beardless Barley).

Vern.—Jub, BENG.; Jao, HIND.; Tosa, NEPAL; Sheeer, ARAB.; Yuva, SANS.; Satoo, DEC.; Barli-arisi, TAM.; Java, TEL.; Mu-yan, BURM.

Native of Western Temperate Asia (DeCandolle). Cultivated from

There are two chief varieties, the ears of one of which contain two rows of grain (H. distichon); and the other six rows (H. hexastichon). The latter is the one ordinarily cultivated in this country. The former is commonly grown in England, but is rare here. The average area under barley in the 30 temporarily-settled districts of the North West Provinces is given by Messrs. Duthie and Fuller at 4,728,344 acres.\* "It forms an important crop in every portion of the Provinces, being most commonly grown alone in the districts of the Benares Division, mixed with wheat in Rohilkhand, and mixed with gram in Agra and Allahabad."

A curious sub-variety of two-rowed barley (H. gymnodistichon) resembling wheat and known in the vernacular as rasuli is grown largely in Tibet and Kotgarh. In 1870 some of the seed was obtained and grown on the Cawnpore Farm, and the yield, upon manuring and irriga-

tion to a certain extent, was 211 maunds of grain per acre.

The sowing is done in October; generally in light, sandy, not highly-manured soils; the quantity of seed sown is from 100 to 150 lbs.

per acre. It requires very little irrigation.

The average out-turn of barley per acre on irrigated land in the North West Provinces and Oudh is given by Messrs. Duthie and Fuller at 16 maunds of grain when only barley is sown; at 15 maunds when wheat is sown with the barley, and at 14 maunds when the barley is sown with gram. For unirrigated land the out-turn is estimated at from 7 to 11, 6 to 10, and 6 to 9 maunds per acre, respectively, in the three cases mentioned.

Barley constitutes about 1 ths of the total produce when grown with either wheat or gram. The weight of straw is ascertained by Messrs. Duthie

and Fuller to be 11 times that of the grain.

Barley undergoes a process to form malt of which ale is made. It is put to this use to a certain extent by the Himalayan breweries. Pearl and Scotch barley are formed by the removal of the thin, hard integuments, the grain being hardened by drying.

## HOVENIA.

40I

# Hovenia dulcis, Thunb., RHAMNEE.

Ver.-Chambun, PB.

A tree found throughout the Himalaya, 3,000 to 6,500 feet in altitude,

commonly cultivated.

Produces a fruit which is a capsule with three seeds, and rests on an enlarged peduncle which is soft, fleshy, and contains a sweet juice. The peduncle tastes like a Bergamot pear, and is commonly eaten.

 No reliable figures are available of the area in the five remaining districts and in Outh.

HUMU-LUS.

### HUMULUS.

## Humulus Lupulus, L., URTICACEE.

Hops.

The female flowers consist of leafy conelike catkins (strobili) of a light colour, which are called Hops. In England the finest hops are produced in Kent, and in that county the plant is extensively cultivated.

Dr. Stewart gives the following account of the hop cultivation in

Kashmir and other places:—

"Lowther states that he had heard of the hop plant being seen in Kashmir (as others have done elsewhere in the Himalaya), but it is nowhere indigenous. In 1851 he proposed its introduction into Kashmir. It has been successfully cultivated in Dehra Dun for many years, so far as mere growth is concerned, but heavy rain at the flowering period prevents the flower from reaching perfection. As to quantity and quality of the powder, on which its value depends, the results have, on the whole, been unsatisfactory. Within the last few years, the plant has been tried at Kyelang and Kilar in the arid tract on the Upper Chenab, and it has flourished. But unfortunately it appears to have been found out, after several years' care, that the sets, introduced at the latter place, were those of male plants, so that the experiment has still to get a fair trial there. At Kyelang female flowers are sparingly produced. At the Murree Brewery, however, where the rain-fall is much lighter than further east, a considerable number of hop plants have been grown for some years with fair success as to quantity and strength of hops actually got. And it may be hoped that still better results will by-and-bye be obtained."

Since the above was written attempts have been made with success in introducing the hop-plant into Kashmir, and certain quantities of hops are now annually produced in that State. In June 1883, about 15,000 lbs. of hops were purchased from Kashmir by one of the Himalayan breweries; and next year the produce will probably be greater. The plant has also been successfully introduced into the Chamba State of the Punjab, and samples of the hops obtained there were reported upon favorably by the Himalayan breweries to which they were sent by the Government of India.

Mr. L. Liotard, in a note published in April 1883, says:—

"Beer-making industry in India has on the whole progressed very satisfactorily, and it now reckons 24 breweries actually at work,—in Murree, at Kasauli, at Solon, at Mussourie, and at Naini Tal, in the Nilgiris, in Mysore and in Rangoon."

The quantity of beer brewed in the last four years is given by him as—

Gallons.

1879	•	•		•	•	•	•		1,569,026
1880	•		•	•	•	•	•	•	1,974,578
1881	•		•	•			•		2,448,711
1882			•						*****

Of this the quantity brewed in the Punjab Himalaya alone amounts to over one million of gallons, and in the North West Provinces over 600,000 gallons. Of the total out-turn the Commissariat Department alone takes 1\frac{1}{2} million gallons for the troops.

The Indian breweries depend upon Europe for their supplies of hops, and the following figures represent the value of the importations of hops

#### HYOSCY-AMUS.

into this country during the last five years and the countries whence the supplies come:—

	_			!	Figu	RES 1	FOR 1	882-	83.
Offici	AL Y	EARS.	Value in Rs.	Country	wher	nce in	nport	ed.	Value in Rs.
1877-78 . 1878-79 . 1879-80 . 1880-81 .	:	:	1,69,715 1,28,853 4,16,413 2,32,754	United I Italy China		lom :			2,30,691 1,89,379 9,759
1881-82 . 1882-83 .	:	•	2,67,654 4,29,829					ľ	4,29,829

### HYDROCOTYLE.

404 Hydrocotyle asiatica, Linn., Umbellifer E.

Vern.—Thul-kura, Beng.; Vularei, TAM.; Babassa, Tel.; Codagam, MAL.

A creeping shrub, common in moist, shady places throughout India, from the Himalaya to Ceylon, in all altitudes up to 2,000 feet. Appears with most luxuriance during the rains.

The leaves are sometimes made into a soup which serves more as a medicine than as a food.

### HYMENODICTYON.

405 Hymenodictyon excelsum, Wall., Rubiace ...

Syn.—Cinchona excelsa, Roxb., Fl. Ind., i. 529.

Vern.—Bhaulan, bhalena, bhamina, dhauli, kukurkat, bhurkur, phaldu, bhohur, patur, Hind.; Bartu, baxthoa, Pb.; Kalakadu, Bom.; Sagapu, Tam.; Dudiyetta, chetippa, bandara, Tel.

A deciduous tree, 30 to 40 feet high, with smooth bark, met with on the dry hills at the base of the Western Himalayas, from Garhwal to Nepal, ascending to 2,500 feet; throughout the Deccan and Central India to the Annamalays. Also in Tenasserim and Chittagong. (Hooker.)

The leaves are used as cattle fodder.

### HYOSCYAMUS.

406 Hyoscyamus niger, Linn., Solanace E.

HENBANE.

Vern.—Basrul, khorasani ajowan, Beng., Hind.; Kurashani-yomam, Tam.; Kurasani-vaman, Tel.; Dandura, datura, Pb.

A herbaceous plant of the temperate Western Himalaya, altitude 8,000 to 11,000 feet, common from Kashmir to Garhwal.

It is frequent in waste ground near houses, and is said to be eaten by cattle.

	IMPER/
ILEX,	TA.
Ilex dipyrena, Wall., ILICINEX.  Vern.—Shangala, kalucho, diusa, PB.; Kaula, NEPAL; Kadera, SIMLA.  A small tree of the Himalaya from the Indus to Bhutan.  The leaves are occasionally given as fodder for sheep.	407
ILLICIUM.	
Illicium anisatum, Linn., Magnoliacez.	400
THE STAR ANISE of China and Japan.	408
Syn.—I. religiosum.	
Vern.—Bádiánkhatáí (fruit), Bom.	
The sacred Star Anise tree is not met with in India, but we have two if not three allied species, chiefly on the Khási and Naga Hills. One species I found, a giant of the forest of North Manipur and the Naga Hills, altitude 8,000 feet.	
Being highly aromatic, it is in great repute in China and other Eastern countries in the manufacture of condiments and flavouring of spirits.	
IMPATIENS.	
Impatiens Balsamina, Linn., Geraniacez.  Garden Balsam.	409
Vern.—Bantil, trual, halu, Ps.  A native of India, introduced into England in 1596.  The seeds are eaten in Chumba, and the oil expressed is eaten and burned.	
I. sulcata, Wall.	410
A gigantic annual, often 15 feet in height, frequent on the temperate Himalaya, altitude 7,000 to 12,000 feet. In Lahoul the husks of the seeds are eaten raw.	410
IMPED ATA	
IMPERATA.	1
Imperata arundinacea, Cyrill, Graminez.	411
Syn.—Saccharum cylindricum, Linn.; Lagures cylindricus, Linn. Vern.—Ulu, Beng.; Usirh, sir sil, bharwi, Upper Ind.; Barumbiss, Tel. A small grass inhabiting the plains and hills of Bengal, the North-West Provinces, the Punjab and Sindh, in moist, stiff, pasture ground. It is particularly common over Bengal and Lower Himalaya, altitude 7,500 feet. The fields are white with its silky heads when in flower, after the first rains.	•
The grass is much used by Bengalis for thatching. The Telingas use it in their marriage ceremonies. It is not of much use as fodder, because cattle refuse it except when it is quite young, or when no other forage can be got.	

	<b>y</b>
IRIS.	
	INDIGOFERA.
412	Indigofera Dosua, Ham., Leguminos.  Syn.—I. HETERANTHA, Wall.  Vern.—Khenti, shagali, mattu, kaskei, PB.; Theot, Simla.  A shrub of the North-West Himalaya up to 8,000 feet in altitude.
413	The flowers are said to be eaten in Kangra as a pot-herb.  I. pulchella, Roxb.  Vern.—Sakena, hakna, Hind.; Baroli, Mar.; Togri, Bhil.; Hikpi, Lercha; Tau maiyain, Burm.  A large shrub of the sub-Himalayan tract, South India, and Burma. Produces pink flowers which are sometimes eaten in Central India by the natives as a vegetable.
	IPOMÆA.
414	Ipomæa aquatica, Forsk., Convolvulacem.
***	Vern.—Kalmi-sak, Beng.; Kalambi, Sans.; Ganthiam, nari, PB. An aquatic plant common throughout India, and abundant in the Bengal plain. Commonly eaten by the poorer classes as a vegetable. The roots also are said to be eaten.
415	I. Batatas, Lamk.
4-5	SWEET POTATOE.
476	Syn.—BATATAS EDULIS, Chois.  Vern.—Ranga-aloo, lal-aloo, shakarkand BENG.; Meeta-aloo, shakarkand, HIND.; Chilagada, Tel.; Kapa-kalenga, Mal.; Kaswan, BURM.  Cultivated in almost all parts of India to a small extent; requires very little care, and grows in almost any soil, is planted like potatoes, and is dug up in the cold weather.  There are two kinds: the one with red tubers, the other with white. The red is the more common and is considered the better. Both are sweet and very palatable when roasted under hot ashes or boiled in water.  The sweet potato is eaten by all classes of the natives, either in curry or simply roasted as just stated, or cut in half, lengthwise, and fried. Another way of preparing it is to boil it, cut it in slices, and add rasped cocoanut, milk and sugar. In this way it becomes a good Indian dessert. It is also boiled, mashed, and made into pudding in the usual European style with sugar, egg, and milk. (L. Liotard.)
416	I. eriocarpa, Br.  Syn.—I. Sessili Flora, Roth.  Vern.—Bhanwar, PB.  Throughont India, altitude o—4,000 feet; common in Ceylon.  This plant is eaten in times of famine.
	IRIS.
417	Iris kumaonensis, Wall., IRIDEÆ.
T-1	Vern.—Pias, karkar, PB.  Common in parts of the Punjab Himalaya, at altitudes from 5,000 to 12,000 feet; also in Ladak.  In Ladak the leaves are said to be used as fodder.

LACTUCA. JUGLANS. Juglans regia, Linn., Juglandez. 418 THE WALNUT. Vett.—Akhrot, Hind.; Akrut, Beng.; Charmaghs, Pers.; Akhor, Kashmir; Tagashing, Bhutia; Kowal, Lepcha. A large tree wild in the North West Provinces and the Sikkim Himalaya, and largely cultivated throughout the hills. The edible portions of the walnut are the two seed lobes which are crumpled up within the shell. One tree has been known to produce as many as 25,000 nuts in one year. The fruit ripens in July-September, and several varieties of it are met with, the best being the thin-shelled or Kaghasi-akhrot. Walnuts are largely eaten by the hill tribes both rich and poor, and there is scarcely any village in the Himalayas of the North West and the Punjab which has not its own supply of walnuts. They are also traded in largely, and are brought down far into the plains from Afghanistan and the Himalaya by the natives, Afghans and others. An oil is expressed from the kernels of the fruit which is used both for burning and culinary purposes. The twigs and leaves are used for fodder. The wild tree has a thick shell and small kernel, and is rarely eaten. JUNIPERUS. 410 Juniperus communis, Linn., Conifera. THE JUNIPER. Vern.—Núch, pethra, bentha, betar, lang shúr, chichia, HIMALAYAN NAMES. A large shrub found in uncultivated rocky places, in the North West Himalayas, ascending to 14,000 feet, extending eastward to Kumaun. The fruit, or berry, is sweet and aromatic, and is used as medicine. Dr. Stewart, quoting Madden, says that from the berries, with barley meal, a spirit is distilled. The berries are also used for flavouring gin. J. excelsa, M. Bieb. 420 HIMALAYAN PENCIL CEDAR. Vern.—Apúrs, Beluchistan; Chalai, shúkþa, luir, shúrbuta, Himalay-an names; Dhúp, padám, N. W. P.; Dhúpi, Nepal. Arid tract of the North West Himalaya and Western Tibet, extending eastward to Nepal, and in the mountains of Afghanistan and Beluchistan. KŒLERIA. Kœleria cristata, Pers., Gramineze. **42**I Syn.—ARIA CRISTATA, Linn. This is a beautiful perennial grass; inhabits the Himalaya at moderate elevations; found on dry, sandy soil. Possesses fairly nutritious properties. May be used as fodder. LACTUCA. Lactuca scariola, Linn., var. sativa, Linn., Compositm. 422 LETTUCE. Vern.—Sálád, Beng.; Kahu, HIND., PB. Commonly cultivated during the cold season, from October to Febru-

#### LATHY-RUS.

ary, throughout the plains of India. Also in the sub-Himalayan tracts near, or below, the hill stations.

It is somewhat narcotic, and is rarely, if ever, eaten by the natives;

cultivated chiefly for the European population.

### LAGENARIA.

423

Lagenaria vulgaris, Seringe., Cucurbitace...

THE BOTTLE GOURD.

Vern.—Kaddu, lauki, al-kaddu, tumba, toombe, kashiphal, gol-kadu, kabuli, also tumri (a small variety), HIND.; Kodu, lau, BENG.; Kaddu, kabuli, lauki, tumba, PB.; Soriai-kai, TAM.; Sorakaya, kundanuga, Tel.; Me-kuri, NAGA.

This climbing plant is found wild in India, Moluccas, and Abyssinia; at present cultivated in warm parts of America, Australia, and China,

and extensively so in many places in India.

In the North West Provinces and Oudh it occupies annually from 30 to 200 acres in each district. It is cultivated also throughout the Naga hills. It thrives in any land, but best in richly-manured, sandy soil; the sowing is done in from February to July, and the gourd is ready for use three months after.

The gourd is used by Europeans and natives; by the former it is boiled when young and used as vegetable marrow; by the latter it is sliced and cooked as a curry. The young shoots and leaves are also eaten by all classes. Its fruit, which is sometimes nearly 6 feet long, is shaped like a bottle, and beggars and others use it when dried and empty as a bottle The small variety called tumri is used for making the stringed instrument called sitar. The Nagas use the fruit for water a d "Zoo" bottles.

#### LATHYRUS.

424

Lathyrus Aphaca, Linn., LEGUMINOSE.

Vern.—Jangli-matar, Beng.; Rawan rawari, HIND., PB.

A much-branched herb, or field weed, found throughout the plains of Bengal, North West Provinces, Oudh, and Punjab till Hazara, Kumaun, and Kashmir.

The leaves of this annual have no real leaflets, but are reduced to a tendril between two large leaf-like stipules. It is found as a weed of cul-

it is often pulled up and collected, and given to cattle for fodder. Ripe seeds are narcotic when eaten abundantly, but when young perfectly harmless. (Voigt.)

425

L. imphalensis, Watt., MS.

Vern.—P

Found at Myang-khong, in Manipur, 4,000 feet in altitude. Largely used as a fodder, allowed to cover the fields as a weed after removal of the crops.

426

L. sativus, Linn.

JAROSSE OR GESSE.

Vern.—Khesari, Beng.; Kasári, kassar, tiura, tiuri, latri, N. W. P. Common in the Northern Provinces of India, from the plains of Bengal to Kumaun where it reaches 4,000 feet in altitude, often cultivated.

LEPI-DIUM.

and in some places wild. When cultivated, it is sown about the close of the rains (October) in heavy clay soils and on land hardened after submersion during the rains, and occasionally in rice fields before the rice is cut. Its cultivation in the North West Provinces and Oudh is commonstin the eastern districts, and in parts of Allahabad and Azimgarh. No reliable statistics of its area are forthcoming.

The pulse is chiefly used as a green fodder for cattle, and seems to spring more as a weed of other crops. The seeds are very irregular in form, generally wedge-shaped, gray-coloured, and minutely spotted. They enjoy in Europe the reputation of causing paralysis of the lower extremities, but this curious property would appear to have escaped the notice of the natives of India, except in Allahabad, where it seems to be known. It is extensively used in some parts of the country as a substitute for dâl, and bread is made from the flour. Pigs fed upon it are said to lose the use of their limbs, but fatten well. It would be exceedingly interesting to have this curious property verified by authentic experiment, for, if there be any truth in it, this might perhaps account for the prevalence of paralysis in some districts of India. Were the curious property to be proved true with the lower animals, it would seem desirable to discourage the cultivation of this plant as a food-crop. In most parts of India it can scarcely be called a food-crop, although the split pea must be largely used to adulterate dâl, from which it can scarcely be distinguished when sold in the split form. It is used to a certain extent by the poorer classes as a substitute for other pulses, but is hard and indigestible.

### LEEA.

# Leea aspera, Wall., Ampelidez.

Vern.-Holma, PB.

Found in the southern regions of the Western Himalaya from Jamu to Nepal, ascending to 6,000 feet in altitude and descending into Oudh; also met with in Western India from Kandesh to the Konkan.

Produces a small fruit which is black and succulent, and is eaten by the

natives.

#### LEPIDIUM.

# Lepidium sativum, Linn., CRUCIFERE.

THE GARDEN CRESS.

Vern.—Aleverie, haleem, BENG., HIND.; Adala-vitala, TEL.; Haleem, DEC.; Ahreo, SIND.

Cultivated throughout India and Western Tibet, but is not known

in an indigenous state.

Cultivated in the cold weather in vegetable gardens, chiefly for its leaves, which are cut young for the consumption of the European population. It is often cultivated with mustard, both being used as salad.

The leaves when full grown are used for garnishing dishes like those

of parsley.

Leptadenia viminea, Bth. See Orthanthera viminia, W. & A., Ascle-pladez.

427

### LONICE-RA.

### LEMONIA.

420

Lemonia acidissima, Linn., Rutacez.

Syn. -L. CRENULATA, Roxb.

Vern.—Beli, HIND.; Tor-elaya, Tel.; Kawat, MAR.; Thee-haya-sa, Burm.
A shrub of dry hills in various parts of India, e.g., Simla, Kumaun,
Monghyr, Assam, Western Gháts, Coromandel, Malabar.

Flowers in the hot season, and produces a round berry, which, though

very acid, is sometimes eaten by the natives.

### LOLIUM.

430

Lolium perenne, Linn., GRAMINEE.

PERENNIAL RAY OF RYE-GRASS OF HAY.

Met with in Western Tibet at 15,000 feet in altitude.

In Europe it is extensively grown along with clover (Duthie). In Australia it is considered one of the most important of all fodder grasses, and stands the dry heat very well (Mueller).

43I

L. temulentum, Linn.

DARNEL.

Syn.—L. ARVENSE, With.

Vern.—?

Inhabits the plains and hills of Northern India.

Mr. Duthle writes: "The seeds of this grass have for a long time been supposed to possess poisonous properties, and numerous instances have been given as to the ill effects after eating flour or bread into which the grains of this grass have been purposely or accidentally introduced. Recent experiments, however, rather indicate that healthy darnel grain is perfectly innocuous, the evil effects being produced by ergotized or otherwise diseased grains. As darnel is often a common weed in corn-fields, the grains are very liable to be ground up with those of wheat."

### LONICERA.

432

Lonicera angustifolia, Wall., CAPRIFOLIACE.

Vern.—Geang, pilru, philku, PB.

A small Himalayan shrub found from the Indus and Kashmir to Sikkim and Kumaun at altitudes from 6,000 to 10,000 feet.

Produces fruits which are eaten.

433

L. hypoleuca, Dne.

Vern.—Kharmo, shido, rapesho, PB.

A small shrub of the arid tracts of the Punjab Himalaya, at altitudes from 8,400 to 11,000 feet, also of Garhwal.

Goats eat the leaves, and are said to fatten on them.

434

L. quinquelocularis, Hardwicke.

Vern. - Jarlangei, phut, bakru, khum, dendra, kraunti, PB.; Bhat-kukra, Kumaun; Tita-bateri, Kashmir.

A shrub of the western Himalaya, from Kashmir to Kumaun, at altitudes from 4,000 to 12,000 feet; also common in Bhutan and on he Sulaiman Range.

Cattle are fed on the leaves, or are allowed to browse on them.

LYCOPER-SICUM. LUFFA. Luffa acutangula, Roxb., Cucurbitace. 435 Vern.—Torooi, jinga, turi, HIND.; Káli-taroi, satpatiya, BUNDALKHAND; Jhinga, jinga, Beng.; Peekun-kai, Tam.; Burkai, bira-kaya, Tel.; Peechenggah, Mal.; Turaí, sírola, Bom.; Turi, Sind. Met with in the North West Himalaya to Sikkim, Assam, East Bengal, and Ceylon. Cultivated in most parts of India. No information of a trustworthy nature can be given as to the area occupied by the crop, but it is regularly cultivated every year, especially in the plains, where it is common. The sowing is done from March to the beginning of June in lines at short distances; the fruits are ready in three months, and the plant continues to bear for a couple of months. Natives value the fruit highly and eat it in curry. Roxburgh says that the half-grown fruit, when boiled and dressed with butter, pepper, and salt, are little inferior to green peas. Cut in round slices, and made into fricasse, it is an exceedingly nice vegetable dish. (Mr. L. Liotard.) 436 L. ægyptiaca, Mill, ex Hook. f. Syn. -L. Pentandra, Roxb. Vern.—Dhundul, Beng.; Tarod, ghiya-taroi, turai, dhandhal, Kumaun; Nuni-beerd, Tel.; Ghosali, parosí, Bom. A native of India, cultivated or naturalised in most of the hot countries of the world. In India it is common everywhere, and is often cultivated especially in the plains. The seeds are sown from March to June, and the fruit ripens from June to October. The North West Provinces show an area which ranges from 29 acres in Jalaun and 65 in Cawnpore, to 199 acres in Meerut and 256 in Allahabad; but complete figures are not available. The fruit is commonly used by the natives in curry. LYCIUM. 437 Lycium europæum, Linn., Solanaceæ. Vern.—Ganger, kangu, niral, chirchitta, PB. A thorny shrub of the drier plains of the Punjab, Sindh, and Guzerat. The berries are eaten by the natives in some places. The plant is browsed by camels and goats, and the young shoots are used as a vegetable. LYCOPERSICUM. Lycopersicum esculentum, Miller, Solanace E. 438 LOVE-APPLE, OF TOMATO. Syn .- Solanum Lycopersicum, Linn. Vern.—Gur-begun, teemoti, tamati, Beng., HIND. A trailing plant introduced from South America. At present cultivated in many parts of India for its large red or sometimes yellow fruits which are used for culinary purposes. In the plains the seed is sown in autumn, and the fruit ripens during the winter and spring seasons. In the hills the plant grows more luxuriously than in the plains, and bears fruits throughout the summer and autumn months. The natives are beginning to appreciate the fruit, but the plant is chiefly cultivated for the European population. The Bengalis use it in

their sour curries.

	Economic Products of India.
Mangife- Ra,	
	LYSIMACHIA.
439	Lysimachia candida, Lindl., PRIMULACEE.  Syn.—L. Samolina, Hance.  Found in Manipur valley in rice fields at 2,000 to 3,000 feet in altitude.  Eaten by the Manipuris as a pot-herb along with fish.
	MABA.
440	Maba buxifolia, Pers., EBENACEE.  Syn.—Ferreola Buxifolia, Roxb.  Vern.—Irambali, eruvali, humbili, Tam.; Nela-madi, pishina, Tel.; Me- pyoung, Burm.  A small tree of South India, the Circar mountains, and Tenasserim; common in Ceylon.  Flowers during the hot season, and produces berries which, when ripe, are generally eaten by the natives, and are said to taste well.
	MÆSA.
<b>44</b> I	Mæsa argentea, Wall., Myrsineæ.  Vern.—Phusera, gogsa, Hind.  A large shrub of the outer Himalaya, found from Garhwal and Kumaun to East Nipal, at altitudes from 3,000 to 7,000 feet.  Produces fruits which are larger than those of the other Indian species, and are probably eaten by the natives, but there is no information as to this.
	Mahonia nepalensis, DC. See Berberis nepalensis, Spreng. (in Hook. & St.)
	MALVA.
442	Malva parviflora, Linn., MALVACEE.  Vern.—Narr, panirah, supra, sonchal, gogi-sag, PB. & SIND.  A small, spreading herb in Upper Bengal, North-West Himalaya (low altitudes), the Punjab, and Sindh.  Frequently eaten as a pot-herb by the natives, specially in times of scarcity.
1	MANGIFERA.
443	Mangifera fætida, Lour., ANACARDIACEE.  Vern.—Lamote, Burm.; Bachang, Malay.  A large tree cultivated in Southern Tenasserim.  Produces pink or dark red flowers, and a coarse-flavoured fruit which is eaten by the natives, and for which the tree is cultivated.

AAA

M. indica, Linn.
THE MANGO TREE.

Vern.—Amb, Beng.; Am, Hind.; Ghariam, Ass.; Amra, Sans.; Mda, mangas, Tam.; Mamadi, mamid, Tel.; Ambá, áma, Bom.; Thayet, Burm.

A large, evergreen tree, of the Cashew Nut family, is wild on the Western Ghats, and cultivated all over India. It is really the apple of India.

MANIHOT.

It blossoms, according to situation, from February to April, and the fruit ripens from May to July, and continues for two months. It is a favorite fruit among both natives and Europeans, and is very largely eaten throughout the country. The fruit is of many varieties, differing in size, shape, color, and flavour; for example, some are as heavy as a pound in weight, others not four ounces; while some are (1) large and pale yellow, (2) middle-sized bright yellow, (3) middle-sized tinged with red, and others are (4) of different sizes with a greenish colour even when ripe; and each of these varieties possesses a different flavour. The first, known as Malda mango, is generally juicy but wanting in sweetness; the second is either sweet and delicious, or of a turpentine taste, or stringy, or acid, some so stringy and terebinthaceous as to have been compared to a mouthful of tow soaked in turpentine. Yet this is the mango most common in India. The third is either sweet and juicy or sour; while the fourth is generally of an exquisite flavour, sweet and juicy, and known as the Bombay mango. It is cultivated with great care in gardens in many parts of the country. Malda and the Bombay varieties

are generally eaten by the well-to-do.

The fruit serves as an important addition in many parts of the country to the marginal resources of a large section of the native population who

own the trees.

Fine, luscious fruits, weighing \( \frac{1}{2} \) lb. each, were, a few years ago, produced on an old tree in the Kew Gardens, London.

"Besides being eaten as a ripe fruit, the mango is used as follows:

"When green, the stone is extracted, the fruit cut into halves or slices, and (a) put into curries, (b) made into pickle with salt, mustard oil, chillies, and other ingredients, (c) made into preserves and jellies by being boiled and cooked in syrup, (d) boiled, strained, and with milk and sugar made into a custard known as ma go phool, (e) dried and made into the native 'amb-choor,' used for adding acidity to certain curries, (f) when very young cut into small pieces, mixed with a little salt, and sliced chillies and milk added, it forms a 'tasty' salad.

When ripe (a) it is made into curry which has a sweet-acid not unpleasant taste; (b) it is cut into small pieces, and made into salad with vinegar and chillies (the sour fruit is sometimes used thus); (c) the juice is squeezed out, spread on plates and allowed to dry, and forms the thin cakes known as amb-sath" (Mr. L. Liotard).

Preserves, tarts, and pickles are made from the mango fruit and largely

exported to England and elsewhere.

There seems to be little truth in the charge brought frequently against the mango, that it is a fruitful cause of boils. The blue stain produced on the cutting knife results from the presence of gallic acid in the pulp, which likewise contains citric acid and gum.

## Mangifera sylvatica, Roxb.

Vern.—Bun-am, Ass.; Lakshmi-am, Sylhet; Chuchi am, Nepal; Katur, LEPCHA; Hseng neng thayet, BURM.

A wild mango tree of Nepal, Eastern Bengal, and the Andamans, also occasionally met with in Burma.

The fruit is sometimes eaten fresh or dried.

#### MANIHOT.

## Manihot utilissima, Pohl., Euphorbiacek.

BITTER CASSAVA; TAPIOCA.

Syn.—Janipha Manihot, Kth.

Vern — Maravuli, Tam.; Marachini, Mal.; Pulu pinan myouk, Burm. A slender, erect-stemmed shrub of tropical America, introduced and 445

### MEDICA-GO.

447

448

440

cultivated in Travancore, parts of adjoining British districts, and Burma. Requires little or no cultivation, thrives on any waste lands, and bears a most profitable out-turn. In Travancore, for instance, the cultivator merely clears away the low brushwood, puts the root under ground, and then it grows luxuriantly on the most exposed situations near the sea coast or inland, needing little care except to preserve it from the depreda-tions of cattle. But sometimes it is given to the cattle as food. The object of the cultivation of the plant is the large, fleshy roots

which, under the following preparation, yield the Tapioca of commerce and the Cassava flour, both very nourishing articles of food. About the

preparation of Tapioca, Ainslie gives the following account:—
"An amylum or starch is first to be obtained from the fresh roots, which starch, to form it into Tapioca, must be sprinkled with a little water and then boiled in steam; it is in this way converted into viscid, irregular masses, which must be dried in the sun till they have become quite hard, and then they may be broken into small grains for use." As the roots contain a juice of a highly poisonous character, the edible meal is obtained by grating them to a pulp. From this pulp the poisonous juice is expelled by pressure and washing, and subsequently by heat. What remains is formed into the Cassava flour or bread, or Tapioca of commerce.

Well-boiled it is eaten with fish curry by the natives.

A large proportion of the poorer classes of Travancore and the adjoining districts live on the flour in the months of July, August and September, and it becomes especially serviceable in exceptional years when

rice is scarce and consequently dear.

The produce has been estimated at 10 tons of green roots per acre yielding about 2,800 lbs. of tapioca flour. There is abundant room for improvement in the manufacture of the prepared article, as it is found cheaper to bring the manufactured article from England by the Europeans than buy it on the spot where it grows.

#### MARLEA.

# Marlea begoniæfolia, Roxb., Cornacez.

Vern.—Marlea or marlisa, Sylhet; Garkum, budhal, tumbri, N.W.P; Sialu, tilpatra, kurkui, PB.; Timil, palet, Nepal; Tapuay, Burm.

A tree commonly met with throughout Northern India, at altitudes from 1,000 to 6,000 feet, also in Burma. Flowers in April, and ripens its seed in July.

Cattle are sometimes fed on its leaves.

## MARSILEA.

# Marsilea quadrifolia, Linn., Marsileacez.

Vern.—Paflu, tripattra, PB.

A plant growing abundantly in water in the Punjab plains and in the hills up to 5,000 feet.

It is said to be eaten as a pot-herb by the natives.

## MEDICAGO.

# Medicago denticulata, Willd., Leguminosæ,

Syn.-M. POLYMORPHA, Roxb.

Vern.—*Maina*, PB.

A field weed in the plains and low hills of Bengal, North West Provinces, Oudh, the Punjab, and Sindh.

1

MELIA. It is largely gathered for cattle fodder, as it is considered good for milch cows. Medicago falcata, Linn., 450 THE PURPLE MEDICK OR LUCERNE. Syn.-M. SATIVA, Wall. Vern .- Rishka, hol, AFG., LAHOUL. M. falcata is found wild or cultivated for fodder in Kashmir, Ladak, and other highland places in and over the Himalaya. M. Sativa is probably a cultivated variety of it, and is not uncommonly grown for forage in South India, Bengal, and parts of the North West Provinces. It is a tall, slender, clover-like plant, regarded as a native of England but rarely, found wild there. Its herbage is green and succulent, and yields two rather abundant green crops of green food in the year. 45I **M.** lupulina, *Linn*. THE HOP OF BLACK MEDICK OF NON-SUCH. "Tropical and temperate tracts of the north-west, ascending from the Indus valley and Gangetic plain to 10,000 or 12,000 feet in altitude. (Baker in Fl. Br. Ind.) A common weed, collected frequently for fodder. Its flowers resemble hop cones, hence its English name. It mixes well with grasses and clovers for artificial pastures. MELIA. Melia Azadirachta, Linn., Meliacez. 452 THE NEEM TREE OF MARGOSA TREE. Syn.—Azadirachta indica, Adr. Juss. Vern.—Nim, nimb, Hind., Beng.; Nimba, Sans.; Betain, Kumaun; Kohumba, Guz.; Veypam, veypale, Tam.; Yapa, vepa, Tel.; Aria-bepon, Mal.; Thimbaubhempu, or thimbau-ta-ma-kha, Burm. A middle-sized, sometimes large, tree with small, luxuriant foliage; common everywhere in India from the Jhelum to Assam and Ceylon. The leaves are cooked in curry, or are simply parched and eaten. The natives are very fond of them on account of the slightly bitter taste of the curry cooked with those leaves. They are also used for camel fodder. By tapping the tree a kind of toddy is obtained, which the Hindus regard as stomachic. M. Azedarach, Linn. 453 THE PERSIAN LILAC, THE PRIDE OF INDIA, BASTARD CEDAR OF BEAD TREE. Vern.— akayan, betain, drek, bakain, HIND.; Ghora nim, BENG.; Gori nim, BOM.; Chein, kachein, SUTLEJ; Maha-limbo, malla, nim, C. P.; Bakainu, NEPAL; Mallai vembu, malai veppam, TAM.; Taruka vepu, makanim, TEL.; Tam-a-kha, BURM.; Mahanimba, SANS. A tree with smooth, grey bark, commonly cultivated throughout India, and believed to be indigenous in the outer Himalaya, Siwalik tract, and the hills of Beluchistan. There are different opinions as to the wholesomeness of the pulp of the berry, some regarding it as edible, others treating it as poisonous. The fruit is greedily eaten by goats and sheep." (Aitchison.)

## MENTHA. MELILOTUS. 454 Melilotus parviflora, Desf., LEGUMINOSE. Syn.—Trifolium indicum, Linn. Vern.—Bon-methi, Beng.; Sinji, Pb. Met with in the Bombay Presidency, Bengal, North-West Provinces, and the Punjab. Used for fodder in parts of the above tracts, and considered good for milk. MELOCANNA. Melocanna bambusoides, Tærin., Graminez. 455 Vern. - Máli, metunga, bish, Beng.; Kayoung-wa, Magh. The common gregarious bambu of the Chittagong hills. The fruit is large, pears-haped, 3 to 5 inches long, and edible (Gamble). MEMECYLON. Memecylon edule, Roxb., Melastromacem. 456 THE IRON-WOOD TREE. Vern.—Anjan, kurpa, Bom.; Casau-chetty, TAM.; Alli, Tel. A small tree or shrub of South India (on the Eastern Gháts), also of Tenasserim and the Andamans. Flowers in the beginning of the hot season, and produces astringent. pulpy berries, which, when ripe, are eaten by the natives. MENTH A. 457 Mentha arvensis, Linn., LABIATÆ. THE MARSH MINT. Syn.-M. SATIVA, Linn. Vern.—Pudina, Beng., HIND., Dec. This plant is grown for culinary purposes, and for its oil. It is frequent in the gardens of Europeans in India; it grows freely and easily in Behar and the North West Provinces, but does not flower in the plains of India. The leaves are used in food. 458 M. piperita, Linn. PEPPERMINT. A herbaceous plant of the temperate regions. It is cultivated to a limited extent in most gardens, and is used for culinary and confectionery purposes. From it is made the cordial called Peppermint water. 459 M. viridis, Linn.

THE SPEARMINT OF MINT. Vern.—Pahari pudina, HIND.; Nagbó, shah-sufiam, Pers.

This plant is common in the plains in a state of cultivation, and is known in Bengal as *Púndia*.

This is more largely used for culinary purposes under the name of mint than peppermint, as its flavour is preferable.

MIMU-SOPS.

#### MESUA.

# Mesua ferrea, Linn., GUTTIFERA.

THE INDIAN IRON-WOOD.

Vern.—Naghas or Nagesar, Hind., Beng.; Nangal, Tam.; Ganjan, Burm.; Nahar, Ass.

A middle-sized, glabrous-barked tree, of the Gamboge family, met with in the mountains of Eastern Bengal, East Himalaya, and the Eastern and Western Peninsula, and the Andaman Islands. A very variable tree, the under-surface of whose leaves is often quite destitute of the waxy meal. Flowers in April and May, and produces a fruit which is reddish and wrinkled when ripe, and has a rind like that of the chesnut.

It is like the chesnut in size, shape, and taste, and is eaten by the

natives.

### MICHELIA.

### Michelia Champaca, Linn., MAGNOLIACEE.

Vern. – Champa, Hind.; Champa, champaka, Beng.; Pivald chapha, Bom.; Titsappa, Ass.; Shimbu, sempangam, Tam,; Tsaga, Burm.

A large, handsome tree, with deep-yellow, sweetly-scented flowers; cultivated throughout India, wild in Bengal, Nepal, and Assam. The Hindus regard the tree as sacred to Vishnu, to whose image they offer its strong-scented flower. Its little straw-coloured fruit, which is said to be edible, ripens in the cold season.

Mimosa dulcis, Roxb. See Pithecolobium dulce, Benth. Leguminosa.

M. scandens, Linn. See Entada scandens, Bth. LEGUMINOSE.

### MIMUSOPS.

# Mimusops Elengi, Linn., Sapotacee.

Vern.- Bokul, bohl, Beng.; Mulsári, maulser, Hind.; Bakulí, ovalí, Bom.; Magadam, Tam.; Pogada, Tel.; Bokal, boklu, Kan.; Elengi, Mal.; Vavoli, Mar.; Khaya, Burm.

A large, evergreen tree, wild on the Western Gháts as far north as Khandalla, in the Northern Circars, Burma, the Andaman Islands, and Ceylon. (Gamble.) Grown throughout India, chiefly in gardens for shade or ornament.

Produces during the hot season small fragrant flowers in abundance which fall in showers. These are succeeded by small, oval berries, which are yellowish when ripe, and have a small quantity of sweetish pulp, some-times eaten by the poorer natives. The berries also afford an abundance of oil, and the highly fragrant flowers yield their perfume to water.

# M. hexandra, Roxb.

Syn.-M. INDICA, A. DC.

Vern.—Khir, khirni, Hind.; Rain, Meywar; Palla, kannu-palle, Tam.; Palle panlo, Tel.; Palu, Cingh.

Found on the mountains of South India, extending in Central India to the sandstone hills of Pachmari, north of the Godavari.

Flowers in April to June, and produces an olive-shaped, yellow berry, which is eaten.

460

**461** 

462

### MORCHEL-

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464

### Mimusops Kauki, Linn.

Vern.—Booa-sow, MALAY; ? Adoma, GOA.

A large tree of Burma (Amherst) and the Malayan Peninsula. Flowers during the hot season, and produces a fruit which is eaten by the natives.

### MOMORDICA.

465

## Momordica Balsamina, Linn., Cucurbitacek.

A climber of Northern India, Sindh, and Punjab.

Produces a fruit 1 to 4 in. long, orange or red, usually quite smooth, which belies its generic name, given (from mordeo, I bite) because of the very jagged or bitten appearance of the seeds. The fruit is mentioned by Atkinson as a food.

466

## M. Charantia, *Linn*.

Syn. – M. Maricata, *DC*.

Vern.—Karela, kareli, karola, HIND.; Karalá, BENG.; Susuvi, SANS.

Cultivated all over India on the plains. There are practically two kinds, one grown in the rainy season, which has smaller fruit and is more esteemed; the other grown in hot weather is more bitter: it is sown in rich soil in February and March, and fruit is ready for use from April.

The fruit, which is of a bright orange-yellow colour, I to 6 inches long, is eaten cooked in curries, or sliced and fried; but a special treatment in hot water is necessary previous to cooking or frying to take away a portion of the bitterness. When sliced and dried, it remains good for many months.

467

# **M.** dioica, Roxb.

Vern.—Dhár, karela, kirara, PB.; Kurtoli, Bom.; Palúpaghel-kalung, TAM.; Puagakara (male plants), agakara (female plants), TEL.

Found throughout India at different altitudes, up to 5,000 feet, generally in thickets, on banks of rivers, &c.

Flowers during the wet and cold seasons, and produces a fruit which, when green and tender, is eaten in curries by the natives. The tuberous roots of the female plant are also eaten, and they are larger than those of the male.

### MORCHELLA.

468

# Morchella semilibera, L., Fungi.

Morell.

Syn.—M. ESCULENTA, Linn.

Vern.—Kana kach, girchhatra (hills), khumb (plains), PB.

This fleshy fungus is found in and near Kashinir abundant, also near Chumba, and in parts of North Punjab.

Commonly eaten, both fresh and dry, by natives, and preferred to the mushroom. Dr. Stewart says that "it is considered a great dainty by natives, and relished by those Europeans who have tasted it.'

Of a pale brown or grey colour, and marked all over with deep pits; it is used to give flavour to dishes similar to those of mushroom ketchup.

MORUS. MORINDA. Morinda citrifolia, Linn., Rubiacem. 469 Sometimes called the Indian Mulberry and Morinda Bark Vern. - Al, HIND.; Ach, aich or achhu, Beng.; Alá, bartondi, Bom.; Munja-pavattary, TAM.; Yai-ya, BURM.; Suranji, a trade name. A small tree, cultivated or wild (?) throughout the hotter parts of India, Burma, and Ceylon. Supposed to be truly wild in Malacca. Fruit, of many drupes, coalescent into a fleshy, globose head, one inch in diameter. The fruits are eatable but insipid. M. tinctoria, Roxb. 470 Vern. - Ach, Beng.; Al, Hind.; Achchhuka, Sans. Found throughout India from the Sutlej eastward, and southward to Ceylon and Malacca. "The green fruits are picked by the Hindus, and eaten with their curries." (Rozb.) MORINGA. Moringa concanensis, Nimmo, Moringez. 47I **Vern.**—Sainjna, RAJPUTANA. A tree of Rajputana, Sind, and the Konkan. The fruit of this species is half an inch long, and is eaten when unripe in curries by the natives. M. pterygosperma, Gærin. 472 The Horse Radish or Ben Nut Tree. Vern. - Saina, sujana, BENG.; Soanjna, sanjna, HIND.; Segata, segava. Bom.; Morunga, TAM.; Daintha, BURM. Wild in the sub-Himalayan tract from the Chenab to Oudh; commonly cultivated in India and Burma. It is most easily raised from seed and cuttings. It flowers in February, and fruits in March and April. The fruit is a long whip-like bean. In Bengal and Southern India especially, there is scarcely any native homestead without its sajna or morunga tree. The leaves, the flowers, and the beans are very commonly eaten in curries by natives of all classes. After the beans are taken off the tree, the branches are universally lopped off and the leaves are then given to cattle as fodder. The root has a strong flavour of horse radish, and besides being used in medicine as a vesicant, is also eaten by the natives sometimes like radish.

#### MORUS.

### Morus.

The genus **Morus** contains numerous forms developed probably from difference in soil and climate and long periods of cultivation. It contains six species, which are all referred to one, **M. Alba**, by **Bureau**, in *DC*. *Prodr.*, *Vol. XVII*. Here we have adopted **Gamble's** classification of this genus as found in his *Manual of Indian Timbers*.

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#### MUCUNA.

473

Morus alba, Linn., URTICACEE.

THE WHITE MULBERRY.

Vern .- Tút, túl, túlklu, chínni, chún, HIND.

Cultivated in Afghanistan, Kashmir, and the plains and hills of the Punjab, chiefly for feeding the silkworm with its leaves, and for its fruit, which is eaten, either fresh or dried, by the people who regard it as delicious eating. The fruit is white or pale red.

474

 $\mathbf{M}$ , atropurpurea, Roxb.

Introduced from China and now cultivated in many parts of India.

475

M. cuspidata, Wall.

Vern. - Bola, Ass.; Singtok, BHUTIA; Nambyong, LEPCHA; Kimbu,

A tall tree of the valleys of the outer Eastern Himalaya, from Sikkim to Assam.

476

M. indica, Linn.

Vern .- Tút, Beng.; Tutri, Hind.; Nuni, Ass.; Mekrap, Lepcha.; Chota kimbu, NEPAL; Shahtut, KUMAUN; Tul, PB.; Posa, BURM.

A moderate-sized, deciduous tree, cultivated throughout North India, ascending in the Sikkim valleys up to 4,000 feet in altitude, and in the sub-Himalayan tract to 5,000 feet.

Cultivated chiefly for its leaves, which are used to feed silkworms.

477

M. lœvigata, Wall.

Vern .- Tut, HIND.; Malaing, BURM.

Wild and cultivated in the Himalaya from the Indus to Assam up to 4,000 feet, also in Bengal and Assam.

The fruit is long, cylindrical, sweet, but insipid.

478

M. serrata, Roxb.

Vern.-Kimu, himu, HIND.; Karún, tút, kaúra, soá, án, shta, chimu, PB. A large, deciduous tree of the North-West Himalaya, ranging from 4,000 to 9,000 feet.

Under one or other of the six above the following may perhaps be included:

M. Multicaulis.

M. Nigra.

M. Parviflora.

M. Nigra, or Black Mulberry, has been largely superseded in Europe by M. Alba or white Mulberry, for the feeding of silkworms, and is now chiefly cultivated for its fruit.

### **MUCUNA**

479

Mucuna monosperma, DC,, Leguminos ...

NEGRO BEAN.

A plant of the East Himalayas and Khásia Hills, and met with in Assam, Chittagong, Pegu, Tavoy, and the Hills of West Peninsula and Ceylon up to 3,000 feet.

Is a favourite vegetable.

**48**0

M. nivea, DC.

Perhaps a cultivated race of M. Pruriens. (Alkushi, BENG.)

MUSA. The tender, fleshy pods when skinned make an excellent vegetable for the table, scarcely inferior to the Garden Bean of Europe, MUKIA, Mukia scabrella, Arn., Cucurbitacez. **48**I Vern. - Chiráti, bellari, SIND. A climber common throughout India in the plains and hills as ifar as tropical warmth extends. Atkinson mentions this amongst his foods. MULGEDIUM. 482 Mulgedium tartaricum, DC., Compositæ. Vern. - Khawe. Common in Ladak from 11,000 to 14,500 feet. Dr. Stewart says the plant is occasionally browsed by sheep. **MURRAYA** 483 Murraya Koenigii, Spr., Rutacem. CURRY-LEAF OF LIMBLEE OIL TREE. Syn .- BERGERA KŒNIGII, Linn. Vern.—Gandla, gandi, bowla, PB.; Harri, Karay-paak, karea-phul, katnim, HIND.; Karea-phul, barsanga, BENG.; Chanangi, HYDERABAD; Kare-pak, karivepa, Tel.; Kamwepila, TAM.; Karea-pela, MAL. A small tree of the outer Himalaya, ascending to altitude 5,000 feet, from the Ravi to Assam, Bengal, South India, and Burma. Largely cultivated on the plains on account of its leaves, which are used, either fresh or dry, to flavour curries; they have an aromatic smell when rubbed. MUSA. Musa paradisiaca, Linn., Scitammer. THE PLANTAIN. M. sapientum, Linn. BANANA. Vern.—Kadali, Sans.; Kala, Beng.; Kela, Hind., Bom.; Vashaip pasham, A perennial herb of 8 to 15 feet in height, extensively cultivated throughout India, nearer the coast tracts than inland, chiefly for its fruit, which is a very common article of diet among both Europeans and natives, especially the latter. When we consider its great size, the beauty and breadth of its leaves. the quality and abundance of its fruit, and the number of months it is in season, and the beauty of its flowers, the plantain may well be regarded as the king of vegetables. The fruit is produced in the form of a gigantic bunch weighing from 40 to 80 lbs., from the top of the sheathing stem. As a food-plant the plantain or banana is cultivated with very little labour throughout the tropics in both hemispheres; and far even into cooler latitudes. It has been calculated that the same area of soil which would

yield 33 lbs. of wheat, or 99 lbs. of potatoes, would yield 4,400 lbs. of plantains, but though highly nutritious, it is not so much so as either

#### musa.

potatoes or wheat. Still it serves as the staple food of a large proportion of the human race. It is the household god of many a labourer's cottage in many parts of the world, being to many what rice is to the Hindu, loaf-bread to the Englishman, potato to the Irishman, and what the oatcake used to be to the Scotchman. In India, it grows from the extreme south of the Peninsula to 30° north at a height of 4,590 feet above the sea-level.

The Plantain stem, laden with fruit, is very suggestively employed by Hindus at their marriage feasts as emblematic of plenty and fruitfulness. A bunch of Plantains contains as many as 100 fruits, each from 4 to 9 inches long and 3 to 5 inches in circumference. The horse plantain grows in India, fruits a foot in length filled with hard, black seeds, which are fried in ghi and eaten. In Madagascar there are plantains as large as a man's fore-arm; and in the mountains of the Philippines a single fruit or two are said to be a load for a man. The edible part is soft and more or less mawkish and pulpy and of agreeable flavour. When dry and powdered it forms a very useful meal, nearly allied to that of rice. In South America the flour is baked into biscuits. But here in India no means are taken to preserve the plantain as meal or otherwise. But in other dry countries it is preserved for any number of years. There are 20 varieties of plantain in Tenasserim, 10 in Ceylon, and 30 in Burma, and as many as 17,000 acres are under plantain cultivation in the Madras Presidency, chiefly in Tinnevelly. Shoots or suckers. from the parent plant are put into the ground shortly before the rains, and ten months thereafter the fruit is ripe, and as they renew themselves with off-shoots at different degrees of development, ripe fruit, blossoms and young off-sets are met with in the same garden at one and the same time, and as a consequence ripe fruit may be obtained with little or no labour the whole year round; and it requires to be renewed in good soil only once in 40 years.

"In Bengal there are several kinds of plantain, known commonly as the table plantain, the champa, the daccai, the kantali, and the kanch

"The first is the most tasty, being creamy, farinaceous and sweet, but can be had only during the rains in any quantity, and is eaten commonly by Europeans and well-to-do natives. In the cold season the few procurable are very inferior.

"The champa is the next best, and, like the preceding, the best specimens are available during the rains: it is more largely eaten by the. poorer people, and the better qualities of it often find a place on the tables of Europeans.

"The Daccai plantain, native of Dacca, is rather longer (9 inches) than either of the first two. It has a light pink, soft flesh, and is not found in abundance except in the east of Bengal.

"The kantali is slightly glutinous and has often seeds in it. It is eaten only by natives, more commonly by the poorer classes.

"The kanch-kolla is hardly ever allowed to ripen; it is a coarse, rather astringent, variety, and is mostly used when unripe, being cooked in curries.

Besides the fruit, the purple flower stock and the tender heart or pith of the plant are also eaten very commonly by the natives, curries being made of them. They contain much starch. The use of these parts do not affect the production of the fruit, because they are taken, when the fruit attains its proper development, by cutting down the tree.

"The plant itself (excepting the heart) is chopped up and given very

commonly to cattle, especially to cows, as fodder, but the nutritive ele-ment contained in it is very small." (Mr. L. Liotard.)

The fruit is served either raw, stewed, fried, or as curries. Sometimes they are roasted in the ashes and used as bread or boiled and eaten as potatoes with salt meat, or pounded and made into puddings. American Indians manufacture an intoxicating liquor from the plantain and call it "rum." The plantain meal is regarded as more digestive and strengthening than arrowroot, and thus more suitable for children and invalids. Its flavour is also preferable. Vinegar is easily and cheaply manufactured from the fruit, when it is in danger of rotting from its superabundance as food.	MYRICA- RIA.
MUSSÆNDA.	
Mussænda frondosa, Linn., Rubiace.	486
Vern.—Asari, Nepal; Tumberch, Lepcha; Maa-senda, Cingh.; Bhúta- kesa, lándachúta, Bom.	
A handsome shrub; North-East Himalaya, Bengal, South India, and Burma. It is often cultivated in gardens, and is conspicuous by its yellow flowers and large white calycine leaf.	
MYRICA.	
Myrica Integrifolia, Myricacez.  Sophee.  A shrub of the Candleberry family. Its fruit is eaten by the natives.	487
M. Nagi.  The Yangme of China.  Native of China, a bushy shrub or tree 15 to 20 feet high, bearing a dark-red or yellowish fruit somewhat like, but larger than, the fruit of the strawberry tree, or Arbutus. It is known in Western India, but very inferior to that of China.	488
M. sapida, Wall.  Vern.—Kaphal, kaiphal, N. W. P.; Kayaphala, Bom.; Kobusi, Nepal; Dingsolir, Khasia.  A moderate-sized tree of the outer Himalaya, altitude 3,000 to 6,000 feet; extending to the Khasi hills and Burma.  Produces a fruit which, although wanting in a fair supply of flesh, has a pleasant sweet-sour taste, and is very commonly eaten by the hill people. It is also sometimes eaten by Europeans; and is used in sherbats.	489
MYRICARIA.	
Myricaria elegans, Royle, TAMARISCINEE.  Vern.—Humbu, PB., LADAK.  A small bush of the inner western Himalayan regions, extending into Tibet.  The twigs are browsed by sheep and goats.	490
M. germanica, Desv.  Vern.—Ombu, Lahoul; Bis, shalakat kathi, Ps.  A shrub of the inner Himalayan regions from Punjab to Sikkim.  The branches are used to feed sheep and goats.	491

NELUM BIUM.

### MYRISTICA.

402

Myristica moschata, Willd., Myristice E.

THE NUTMEG; MACE.

Syn.-M. OFFICINALIS, Linn. f.

Vern.—Yatiphala, SANS; Jaephal, jurphal, HIND.; Jaia-phula, BENG.; Jadicai, TAM.; Jajikaia, TEL.; Sadikka, jatipullum, CINGH; Jaipal (Nutmeg), jati, jauntari (Mace), HIND.

This tree of 20 to 25 feet in height, with aromatic leaves and peachlike fruit, is cultivated in many parts of India, though at one time the culture of nutmegs was almost entirely in the hands of the Dutch, who tried to monopolise its trade and cultivation.

The kernel of the seed is the spice known as the Nutmeg and Mace of

commerce.

### NASTURTIUM.

493

Nasturtium indicum, DC., CRUCIFERE.

Common throughout India, chiefly in damp places. N. Bengalense, DC., seems a variety of this.

The stems and leaves of the various species possess more or less of an acrid flavour, causing when eaten "a convulsed nose," nasus tortus, hence the name.

404

N. officinale, Br.

THE COMMON WATER-CRESS.

Vern.-Halim, BENG., HIND.

Found in the Punjab, Rohilkhand, and near all the hill stations. Cultivated in gardens in Bengal during the cold weather, to be used by the European population as salad.

Atkinson mentions this among his foods.

495

N. montanum, Wall.

Found along the outer and warmer Himalayan regions, also in Khási hills and Burma.

406

N. palustre, DC.

Abundant in the temperate Himalayas and North-West India; met with in Bengal and Assam, but rare.

Nauclea Cadamba, Roxb. See Anthocephalus Cadamba, | Miq., Ru-BIACEE.

### NELUMBIUM.

497

Nelumbium speciosum, Willd., NYMPHRACER.

SACRED, PYTHAGOREAN OF EGYPTIAN BEAN OF LOTUS.

Vern.—Kanwal, kanval, Hind.; Padma, Beng.; Kanwal, pamposh, kanwal, kakri, Pb.; Ambal, Tam.

A large, broad-leaved herb of the Water Lily family, found throughout the plains of India and in Kashmir, in tanks and sweet water lakes. Produces large, magnificent flowers, bright magenta or white, during the hot season, and ripens its seed about the close of the rains.

The tender farinaceous roots or rhizomes between the joints are eaten by the natives. In Kashmir and parts of the Punjab, Dr. Stewart says,

NIGELLA.

the roots are dug out in October when the leaves dry up, are then sliced and used cooked or pickled. The stalks are eaten as a vegetable. The seeds, which consist of oblong nuts twice the size of peas, are, when perfectly ripe, so hard as to require a hammer to break them, and are eaten by the natives either raw, roasted, or boiled.

Herodotus (B. C. 413) says that its kernels were eaten on the banks of the Nile, "either tender or dried." It was then regarded as sacred in Egypt, and it is still so regarded in India. Its fibres are used as wicks to burn at idol worship, and its leaves as plates on which the offerings are placed. Of all flowers the Hindus and Buddhists regard the "waspnest" like flower of the Sacred Lotus, as Herodotus described it, the most beautiful, and they never tire of its praise.

### NEPHELIUM.

# Nephelium Litchi, Camb., SAPINDACEE.

THE LITCHI.

Vern.—Lichi, BENG., HIND.

A tree introduced from South China into Bengal, now common in this province and north-westwards in Behar, and other parts of India, chiefly in gardens.

Cultivated for its delicious, round, red or chocolate brown fruit, with its thin brittle shell, and wart-like protuberances, filled with its sweet, white, almost transparent, jelly-like pulp, which encloses a large, shining brown seed.

The edible pulp has a delicious sub-acid flavour when fresh. In its preserved state it is exported from China and sold in the London shops. In Bengal it ripens in the hot season, and is eaten by all classes, both Native and European.

## N. Longana, Camb.

THE LONGAN.

Vern.—Ashphal, Beng.; Poovati, Tam.; Pund, Courtallum; Wumb, Bom.; Mul ahcotá, Kan.; Kyetmouk, Burm.; Morre, Cingh.

A moderate-sized, evergreen tree of Mysore, Western Gháts, and Burma. It is also found in China, where it is called *Longan*.

The fruit of this species is smaller than that of the above, being only about half an inch to an inch in diameter, while N. Litchi is an inch and a half. Its pulp, which is also edible, resembles that of the *Litchi* in flavour.

#### NEPHRODIUM.

# Nephrodium eriocarpum, FILICES.

Grows in the Punjab Himalaya. Commonly eaten in spring by the natives of Kumaun.

#### NIGELLA.

# Nigella sativa, Linn, RANUNCULACEE.

BLACK CUMIN SEED.

Vern.—Kálejira, kálongi, Bom., Hind.; Kalajira, mugnrela, Beng.; Carinsiragum, Tam.; Nulla-gilakara, Tel.

This is supposed to be the Fitches of Isaiah, and is a native of South

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### NYM-PHÆA.

Europe, the Levant, &c. It is an annual, growing a foot or more in height, with white or light blue flowers, and a five-celled capsule containing numerous black seeds.

Extensively cultivated. The seeds have a strong, pungent, fennel-like odour, and an aromatic, acrid, oily taste. Hence they are used as a spice in curries and other Indian dishes; much liked by natives, commonly used in cooking meat, and spread over cakes like comfits. Placed among linen they are supposed, by the natives, to keep away insects.

### NIPA.

502

## Nipa fruticans, Wurmb., PALME.

Vern.—Gálgá, gabna, Beng.; Da-ne, Burm.; Poothadah, And.; Golphal (fruits), Beng.

A soboliferous palm of the river estuaries and tidal forests of the Sundarbans, Chittagong, Burma, and the Andamans.

The inside of the large fruit is, when young, edible; a toddy is obtained from the spathe. (Gamble.)

### **NUSSIESSYA**

Nussiessya hypoleuca, Wedd. See Bohmeria Salicifolia, D. Don., URTICACRE.

### NYMPHÆA.

503

# Nymphæa alba, Linn., Nymphæaceæ.

THE LOTUS, OF WHITE WATER LILY.

Vern.—Nilofar, brim-posh, kamud-bij (seeds), PB., KASHMIR.

A large herb of the Kashmir lake.

The root and seeds are eaten in times of scarcity.

The root-stocks contain a large quantity of starch, and are used in France in the preparation of a kind of beer.

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## N. Lotus, Linn.

THE WHITE OTUS OF THE NILE.

Syn.—N. EDULIS, DC.; N. RUBRA, Roxb.

Vern.—Shéluk, Beng.; Koi, Hind.; Kumuda, Sans.; Tella-kalwa, Tel.

This plant has white flowers tinted with pink and strongly-toothed leaves; and is common throughout the plains of India, in pools, &c., of fresh water. This is the herb of which Moore in his 'Paradise and the Peri' sings:—

Those virgin lilies, all the night
Bathing their beauties in the lake
That they may rise more fresh and bright
When their beloved sun's awake.

The roots are collected in the dry season, and are made into curries and other dishes. The seeds are also edible. (Amsterd. Cat.)

OCIMMU.

Nymphæa stellata, Willd.

Var.—Cyanea, H. f. & T. l.c.; parviflora., H. f. & T. l.c.; versicolor, H. f. & T. l.c.

Vern.—Nilsáphalá, Beng.; Nilotpala, Sans.

Common throughout the warmer parts of India.

The roots and seeds are sometimes eaten by the people, especially in times of scarcity.

## OCHROCARPUS.

Ochrocarpus Longifolius, Benth. & Hook., GUTTIFERE.

Syn.—Calysaccion longifolium, Wight., Calophyllum longifolium,

Vern. — Suringi, MAR.; Sara-ponna, Tel.; Serraya, MAL.

Found in the forests of the Western Peninsula from Kanara to the Konkan.

The fruit is delicious to the taste. (Drury.)

### OCIMUM.

Ocimum Basilicum, Linn., LABIATÆ.

THE SWEET OF COMMON BASIL.

Syn.—O. PILOSUM, Willd.

Vern .- Babui tulsi, Beng., Hind.; Salsat, Dec.; Tirunitrup-pattri, TAM .; Vibudi-patri, TEL.

This small, herbaceous shrub of the Mint family is found in almost all parts of India, Java, &c. It is of erect growth, and of about a foot in height, much branched and furnished with very small flowers arranged in clustered whorls.

The seeds are cooling and said to be very nourishing. They are some-times steeped in water and eaten. The plant has a strong, aromatic flavour, like that of cloves, and is often used for culinary purposes, for seasoning of soups, stews, sauces, &c.

O. sanctum, Linn.

Birdwood makes mention of this in his list of Condiments and Spices, but says nothing about its use.

There are two forms of this plant, which will be recognisable as met with in cultivation, owing chiefly to the difference in colour of leaf; they scarcely deserve to be regarded as varieties :-

Var. 1st-sanctum proper.

THE SACRED TULSI OF TULASI OF THE HINDUS.

Vern.-Kala or krishna túlsí, HIND., BENG., and TEL.; Tulasa, BOM.; Babúrí, PB.

This, the most sacred plant of the Hindus, is found in or near almost every Hindu house throughout the country. Its cultivation and worship are most intimately associated with the worship of Vishnu, the second person in the Hindu triad. It is a hairy-stemmed plant, nearly two feet in height, with small flowers of a purplish hue. It is profusely branched; and the branches also clothed with dark purple hairs; leaves about 13 inches long and 1 inch broad, dark-coloured; bracts cordate. It is generally cultivated in pots or broken jallahs, or in brick or earthen pillars, hollow at the top, in which earth is deposited, and the plant grows.

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#### OLEA.

500

Var. 2nd-villosum, Sp., Roxb.

Vern.—Túlsí or túlasí, Hind. & Beng.

A small herb, clothed with white or pale green hairs; leaves ovate, oblong, crenate, serrate, obtuse; from 1 to 2 inches long; bracts reniform.

These varieties of O. Sanctum, like O. Basilicum, are also used for culinary purposes, as having the same aromatic flavour.

### ODINA.

510

Odina Wodier, Roxb., Anacardiacez.

Vern.-Kiamil, kimál, kamlai, jhingan, mowen, mohin, ginyan, HIND.: Yiyal, lohar-bhadi, Beng.; Simatí, moya, Bom.; Yhingan, jiban, sindan, harallú, N. W.P.; Wodier, TAM.; Kiakra, Gond.; Gumpini, dumpini, Tel.; Púnil, shimli, KAN.; Nabhay, BURM.

A moderately sized or large, deciduous tree of the sub-Himalayan tract, from the Indus eastward, ascending to 4,000 feet; found also in the forests of India and Burma.

"The tree is pollarded for fodder especially for elephants." (Gamble.)

### OLAX.

511

Olax scandens, Roxb., OLACINEE.

Vern.—Dheniani, HIND.; Koko-aru, BENG.; Kurpodur, Tel.; Harduli, MAR.; Lailoo, BURM.

A large, rambling shrub, sometimes a climber, of the sub-Himalayan tract, in Kumaun, Behar, Central and South India, Burma.

The fruit is used in Hazaribagh for making sherbet. (Gamble.)

#### OLEA.

512

Olea Cuspidata, Royle, OLEACEE.

Syn. - O. FERRUGINEA, Royle.

Vern.-Kau, HIND.; Khwan, shwan, TRANS-INDUS; Zaitun, AFG.; Ko, kohu, kao, kau, PB.; Khau, SIND.

A moderately sized, deciduous tree of the Sind, Sulaiman and Salt Ranges, and North West Himalaya, extending as far as the Jumna eastward, and ascending to 6,000 feet. (Gamble.)

The fruit ripens in October, and is sometimes eaten by the natives.

The leaves are given to goats as fodder.

513

O. europœa, *Linn*.

The Olive.

This valuable plant, the cream and butter of those countries in which it is pressed, has been introduced on the Himalaya and the Nilgiris. It has more recently been cultivated with some success in the Bhadgaon farm in Khandesh.

It only requires to be better known to be largely appreciated and cultivated by the people of India; and, though called Europæa, it is well-

known to be a native of Western Asia.

The small, white flowers of the plant are succeeded by an oblong, berry-like fruit of a bluish-black color. The valuable oil known as Olive oil, Salad or Florence oil, is obtained by pressing the pulp of this fruit. This is the "pure oil" of which king Solomon gave "twenty measures" to Hiram, King of Tyre; and this is the tree which gave its name to the well-known "Mount of Olives." The oil is principally used as food. The Olive groves of Persia are said to yield 100,000 cwts. of fruit a year.

1.00us, 1.00u-stuffs, una 1.0uuers.	LIAKI V
	ORTHAN THERA.
oplismenus.	
Oplismenus Burmanni, Linn., Graminez.  Syn.—O. Bromoides, Boj.; Panicum Burmanni, Roto.; P. Hirtellum, Burm.	514
This grass extends from Oudh and Banda to Saharunpore and the Jhelum valley.  Occurs on pasture ground under the shade of large trees.	
O. colonus, Kunth. See Panicum colonum, Linn.	
O. compositus, R. & S.	
Syn.—Panicum compositum, Linn.; P. sylvaticum, Lam. Found in the Himalaya at Simla, Kumaun, Mussourie, and at Dehra Dun at the foot of the Mussourie Hills. Roxburgh, under Panicum lanceolatum, describes this grass, and says	515
that it grows under the shade of trees.	
O. frumentaceus, Roxb. See Panicum frumentaceum, Roxb.	
ORIGANUM.	
Origanum heracleoticum, LABIATZ.	516
WINTER MARJORAM.	
This plant, of the genus <b>Origanum</b> , so called from the gay (ganos, joy) appearance of the hills (Oros, mountain) on which it grows, is a native of Northern India.  It is cultivated as a pot-herb.	
O. Marjorana, Linn.	517
Sweet Marjoram.	3-7
Vern Murwa, DBC., SIND.; Murroo, TAM.; Misunjoosh, mardakusch, ARAB.	
A common, wild plant in Kumaun, cultivated in gardens throughout India, especially in South India, for its seeds.  It is a seasoning herb. Birdwood mentions it in the list of Condiments and Spices.	
O. normale, Don.	518
Vern.—Mirsanjosh, PB.	320
Common in the Punjab Himalaya at altitudes between 2,500 and 10,500 feet.	
In Lahoul it is eaten as a pot-herb.	
ORTHANTHERA.	
Orthanthera viminea, Wight., Asclepiadez.	519
Syn.—APOCYNEA VIMINEA, Wall.; LEPTADENIA VIMINEA, Bth., Hook. In the Genera Plantarum the genus Orthanthera has been reduced to Leptadenia, but J. D. Hooker, in the Flora of British India, takes a different view of the subject, and says "the long sepals and salver-shaped corolla are such strong generic characters that I do not follow the Genera Plantarum in uniting this genus with Leptadenia."	J-7
Vern.—Mowa, lancbar, Trans-Indus; Matti, Beas; Khip, Delhi; Kip, Sind.; Chapkia, Kumaun; Mahur, Hind.	
A glabrous shrub of the arid and northern dry region from Sind to Oudh.	
The flower buds are eaten as a vegetable by the natives.	1
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ORYZA.

#### ORYZA.

520

Oryza sativa, Linn., GRAMINEM.

THE RICE, Eng.; ORUZA, Greek; AROZ, Lat., Por., and Sp.; RIZ, Fr.; REIZ, Ger.; RYST, Dutch.

Veru.—Dhan (unhusked), cháwal (husked), bhat (boiled), HIND., BENG.;
Baranj, Pers.; Arus, Arab.; Vrihi, Sans.; Arisi, Tam.; Bras, padi,
MALAY; Motsj, Japan; Tan. Chin.

The rice has developed into numerous varieties throughout the many countries in which its cultivation has extended. In India alone there are supposed to be over 5,000 varieties and sub-varieties; but they do not possess any very marked peculiarities, except such as are due to difference in climate, soil, and mode of cultivation. Curiously enough some of the forms possess two and others three grains within the pericarp, thus showing a tendency to revert to what must be presumed the ancestral type.

The total area under rice cultivation in India may be estimated at about 60,000,000 acres, of which Bengal owns about 37½ million acres, Madras 6½ millions, North-Western Provinces and Oudh 4½ millions, Central Provinces 4½ millions, British Burma 2½ millions, Bombay a little over 2 millions; in the other Provinces (Punjab, Assam, Berar) and in the Native States of Mysore and Hyderabad the area is less, aggregat-

ing somewhat less than 3 million acres.

The weight of straw is from \( \frac{1}{2} \) to \( \frac{1}{2} \) as much again as that of the grain; the straw is used for thatching, for cattle fodder, and more recently for

paper-making.

The times for sowing and harvesting are many: the sowing being carried on in all months from January to July. The suitable soil is a stiff clay. The seed is sown either broad-cast or in nurseries and transplanted; as a rule the finer kinds of rice are raised according to the latter method. A good deal of moisture is in any case necessary. The harvest takes place in the period from May to November.

Rice is eaten chiefly boiled and sometimes parched by the natives.

They also prepare cakes of several kinds from the rice-flour.

The out-turn of rice per acre varies according to natural climatic conditions and method of cultivation, and ranges, according to Mr. Liotard, between 25 maunds in the best rice tracts of the Sundarbans and British Burma and about 20 maunds in average districts of Bengal, and about 14 maunds in the Central Provinces; while in the North-Western Provinces and Oudh, Mr. Fuller estimates the yield at from 10 to 12 and 16 maunds. These out-turns are of unhusked rice, and must be reduced by about 25 per cent. to arrive at the weight of husked grain.

The following table shows the exports of rice from India during the

last five years :-

				1878-79.	1879-80.	1880-81.	1881-82.	1882-83.
				Cwts.	Cwts.	Cwts.	Cwts.	Cwts.
Unhusked rice		•		615,521	257,720	496,696	368,999	228,567
Husked rice				20,621,712	21,908,045	26,769,344	28,519,422	31,029,721
Rice-flour	•	•	•	<b>2,5</b> 54	1,478	6,140	500	1,579

The exports are subject to a duty of 3 annas per Indian maund.

OVIS. Analysis of the exportation of unhusked rice from British India for the vear 1882-83:-Quantity Quantity Value in To what countries Value in Whence exin exported Rs. ported. Rs. Cwts. Cwts. 221,36,834 20,94,047 1,93,862 7,837,818 United Kingdom 12,381,486 321,13,987 Bengal Straits Settlements Bombay 552,525 4,092,521 2,883,534 121,01,949 Ceylon Egypt Malta Sindh 71,473 1,318,967 80,81,726 78,54,124 Madras 1,318,967 37,77,317 21,248,938 561,98,849 2,973,703 67,51,080 British Burma 2,732,442 832,574 Arabia 26,49,924 South America 786,557 24,47,338 31,78,668 Mauritius 1,227,671 605,735 14,02,839 France Réunion 521,563 15,95,607 TOTAL TOTAL 31,029,721 844,00,909 31,029,721 844,00,909 OSMANTHUS. **52**I Osmanthus fragrans, Lour., OLEACEE. Vern .- Shilling, silang, KUMAUN; Tungrung, LEPCHA. A small tree of the Himalaya, from Kumaun to Bhutan, sometimes gregarious, but more often planted for the sake of its sweet-scented flowers. The flowers are used in China to flavour tea. (Gamble). Osphromenus olfax. 522 OSTRYA. Ostrva edulis. 523 THE HOP HORNBEAM. The fruit is a small-bearded, one-seeded nut. OUGEINIA. Ougeinia dalbergioides, Benth., Leguminos E. 524 Vern.—Sándan, asainda, tinnas, Hind.; Shánjan, pánan, Oudh; Ban-dhona, Uriya; Dargu, tella, motku, Tel.; Telus, Khandesh. Grows in the sub-Himalayan tract, from the Sutlej to the Teesta, in Central India, and on the West Coast. The leaves appear after the blossoms, and are in summer given as fodder to cattle, for which purpose the branches are lopped off. OVIS.

Ovis aries:

PART VI.	.] Economic Products of India.
PACHY- RHIZUS.	
	OXALIS.
526	Oxalis corniculata, Linn., Geraniace.  Vern.—Amrool, Hind.; Surchi, khatta-mitha, chukha, Pb.; Pooliarai,
	TAM.; Pulichinta, Tell.; Umbuti, Duk.  A weed abundant in cultivated places throughout the warmer regions of India and Ceylon, and up to 7,000 feet in the Himalaya.  In some parts of the country it is eaten raw and cooked as a pot-herb.
	OXYBAPHUS.
527	Oxybaphus Himalaicus, Edge., Nyctagine Vern.—Pumae, baus, PB.
	A scrambling herbaceous plant, with a large carrot-like root, was found by Edgeworth and subsequently by Dr. Stewart in the northern tracts of the Punjab.
	It is collected by the natives for winter fodder.
	OXYRIA.
528	Oxyria reniformis, Hook., Polygonace Vern.—Amlu, Pb.
	This small, acid plant is common in the higher regions of the Punjal Himalaya, and in Tibet.
	Sometimes eaten raw and in <i>chatni</i> , in Chamba for instance; and is said to have a pleasant sorrel taste.
	OXYSTELMA.
529	Oxystelma esculentum, Br., Asclepiadez.
	Syn.—Periploca esculenta, Linn.; Asclepias Rosea, Roxb. Vern.—Kirui, doodhi, doodh-luta, Beng.; Dooghdika, Sans.; Doodi-palla or ourü palay, Tel.; Gharot, gani, Pb.
	A slender, glabrous climber, is met with throughout the plains and lower hills of India,—Roxburgh says in hedges and bushes on the banks of water courses, pools, &c. Dr. Stewart says in arid tracts.  It produces a fruit which is eaten in some parts of the country. Cattle eat the plant.

OXYTROPIS.

Oxytropis microphylla, DC., LEGUMINOSE.

A stemless herb of Sikkim and also of the West Himalaya, at altitudes between 11,000 and 16,000 feet.

Browsed by sheep.

### PACHYRHIZUS.

Pachyrhizus angulatus, Rich., Leguminosæ.

YAKA OF WAYAKA.

Syn.—Dolichos Bulbosus, Linn.

A wide, climbing herb, cultivated in many parts of India for its large, tuberous root, or rather underground stem, which is 6 to 8 feet in

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	PANICU
length, and as thick as a man's thigh, and which resembles a turnip in taste and consistence, and is eaten both raw and boiled. In its cooked state it has a dirty white colour and insipid flavour; but palatable enough in times of scarcity.	
PANDANUS.	
Pandanus odoratissimus, Willd., Pandanez.	532
Vern.— Keura, Hind.; Keá, Beng.; Ketaki, Sans.; Thalay, talum, Tam.; Mugalik, Tel.; Kaida, thala, Mal.; Mudu-kaiyeya, Cingh.; Tsat-tha-pu, Burm.	
A common, much-branched shrub, frequently planted on account of the powerful fragrance of the flowers, but wild on the coasts of North India, Burma, and the Andamans.	
The floral leaves are eaten either raw or boiled. The lower pulpy part of the drupes is eaten by the natives in times of scarcity. The flowers together, with catechu and certain spices, form a substance known as Keá Khoir, which is used in pán.	
PANICUM.	
Panicum antidotale, Retz., Graminez.	533
Syn.—P. uliginosum, Roxb.?	
Vern.—Gamur, ghamor, N. W. P.; Garm, girui, mangrur, PB.  A tall grass, common in the Gangetic plain, also on the plains of the Punjab, in the Salt Range, and in Sindh.	
Some think this good forage for cattle, others consider it bitter and not liked by cattle. Mr. Duthie, however, notes that at Aligarh and at Muttra is eaten by cattle.	
P. brizoides, Linn.	534
Syn.—P. FLAVIDUM, Linn.; P. FLACIDUM.	
<b>Vern.</b> —Oda, udu-gadi, TBL.  A grass common in every soil and situation. Grows in tufts; parts of	
it are often tinged with purple.	
P. colonum, Linn.	535
Syn.—Oplismenus colonus, Kunth.; Echinochloa colonna, Kunth.	333
Vern.—Shama, BENG.; Sarwak, jangli sawank, shamak, N. W. P.	
Abundant throughout the plains, especially in cultivated soil (Messrs. Duthie and Fuller) and rich pasture grounds.	
One of the best grasses for forage (Stewart); cattle are fond of it.	
P. crus-galli, Linn.	536
Syn.—P. STAGNINUM, Linn.; P. HISPIDULUM, Roxb.; P. TOMENTOSUM, Roxb.	
Veru.—Dhand, jal-sawank, N. W. P.  Found on the plains, and ascends to 6,000 feet in the Himalaya.	}
It is a coarse species of grass which grows wild; cattle are not fond	. [
of it. The seeds are collected by the poorer classes of natives who use them as an article of diet.	
P. fimbriatum, Kunth.	E 247
Syn.—Digitaria fimbriata, Link.; Corodochloa fimbriata, Nees.;	537
PASPALUM DISTANS, Nees.  Found in Moradabad and the Punjab (Duthie quoting T. T. & Faca.).	

#### PANICUM.

538

## Panicum fluitans, Roxb.

Found in the Punjab and Sindh on banks of water-courses, borders of rice-fields, and other moist, rich soil.

539

## P. frumentaceum, Roxb.

SHAMOOLA.

Syn.—Oplismenus frumentaceus, Link.

Vern.—Damra-shama, Beng.; Sawan, sanwan, sawan-bhadeha, sama or samei, N. W. P. and Oudh.; Mandira, jhangora, Kumaun and Gar-HWAL; Karni, Kashmir; Shyamaka, Sans.; Bonta-shama, shamaloo (the seed), Teling.

The quickest growing of all the millets. It has a special utility to the poorer classes in affording, by its early ripening, a supply of cheap grain before the main autumn food crop is harvested. It is, however, liable to damage from excessive rain and blight. The soil best suited to it is described by **Roxburgh** as light, tolerably dry and rich. The grain is wholesome and nourishing, and is a favourite one for home consumption amongst the poorer classes.

In the North West Provinces it is sown in light soils in the middle of June, usually with juar; the quantity of seed sown is 10 lbs. to the acre; the area covered is about 76,000 acres; the crop is cut at the end of August, and the yield ranges from 4 maunds of grain per acre on poor soils, to from 8 to 10 maunds in fairly good soil. The stalks are used as fodder for cattle.

"In a season of drought, when the usual summer rains fail, the cultivation of the Sawan, or shama, on a larger scale than usual, should be resorted to (in the same way as carrots were tried with success in the North-West Provinces in 1878), as it will, with little irrigation on any light soil, afford a harvest within six weeks from the date of sowing. (Mr. L. Liotard.)

540

# P. helopus, Trin.

Syn.—P. JOWANICUM, Poir.; P. KOENIGII, Spreng.; UROCHLOA PUBESCENS, Kunth.

Vern.—Basaunta, N. W. P.

Found on the plains and the Himalaya up to 5,500 feet in Kumaun. Considered a good fodder grass in Dehra Dun. (J. F. D. quoted by Duthie.)

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## Var.-hirsutum, sp., Koen.

Syn .- P. SETIZERUM, Royle.

Vern.—Kuni, kuru, or chirkal, N. W. P.

Found in parts of the North West Provinces and the Punjab close to the Himalaya.

Considered by Muller and Royle to be a good fodder grass, and said by the latter to produce a grain which is eaten.

542

# P. hydaspicum, Edgew.

Found in the Punjab.

The seeds are said to be eaten by the poor people in Multan.

P. italicum, Linn. See Setaria italica, Beauv.

543

## P. jumentosum, Pers.

GUINEA GRASS.

Syn.-P. MAXIMUM, Facq.

A perernial grass, native of tropical Africa. Needs very little care

PANICUM.

after being once planted, and is an excellent fodder grass. It has been highly recommended for cultivation in parts of India.

Panicum miliaceum, Linn.

VERAGOO, WARRER, CHENA OF INDIAN MILLET.

Syn,—P. milium, Pers.; P. asperrimum, Lag.

Vern.—Cheena, Hind., Beng.; Chehna, chinwa, chirwa, sawan-chaitwa, sawan-jethwa, kuri, phikar, rali, bansi, N.W. P.; Chinan, arsan, PB.; Dukhun, ARAB.; Arsan, PERS.; Unoo, vreehib-heda, SANS.; Varagu, S. Ind.; Worga, worglo (the grain), TELING.

Considered a native of Egypt or Arabia (DC.), introduced at a very early period into India (Duthie); and now extensively cultivated in India, generally on elevated, light, rich soil. In the Himalaya it ascends 10,000 feet in altitude. It is, however, inferior to P. italicum, and fetches a lower price in the bazars. Besides, it is slow growing, thus occupying the soil for a long time. In some places the grain is consumed mostly unground.

The season for cultivation is stated by Roxburgh to be immediately after the rains; this would take the crop into the cold weather, and coincides with Dr. Royle, who says it is grown in winter. Mesers. Duthie and Fuller, however, say it is grown in the North West Provinces in April to May under irrigation from wells, and that it is a precarious crop liable to damage from the hot winds. The area thus cultivated in the North West Provinces is reported to be about 12,400 acres; the quantity of seed sown is 10 lbs. to the acre, and the average yield is given at from 6 to 8 maunds of grain per acre.

In the Deccan it is sown by hand in June or July and is sometimes transplanted, weeded in August-September, and reaped in November-

December.

In the Punjab the crop is grown mostly in the northern districts. The straw is of no use as fodder, and is thrown on the manure heap,

or used as bedding.

P. miliare, Lamb.

SHAMAY.

Vern.—Kuthi, Hind.; Nella-shama, nella-shamaloo (the grain).

Known usually in Bengal as the little millet; is a native of India, but is not extensively cultivated. Cultivated in the Punjab up to the Kheree Pass, also in Nepal and Central India.

"One of the sorts of dry or small grain which is generally cultivated on an elevated, light, rich soil. The seed is an article of diet with the Hindus who in babit the higher lands. Cattle are first in the seed in the with those Hindus who inhabit the higher lands. Cattle are fond of the straw." (Roxb.)

P. neurodes, Schult.

Syn.—P. NERVOSUM, Roxb.; P. NEPALENSE, Spreng.

Found in the Jumna valley in wet ground; also in Saharunpore. (J. F. D. and Royle, quoted by Duthie.)

P. paludosum, Roxb.

Syn .- P. NATANS, Koen.

Vern. - Barethi, kalasnar, Beng.

Found in western parts of the North West Provinces; bears a resemblance to P. uliginosum (Roxb.).

It is a coarse grass; cattle are not fond of it; and it becomes much smaller on dry ground. (Roxb.)

545

546

### PAPAVER.

548

Panicum plicatum, Roxb.

Syn.—P. NERVOSUM, Roxb.; P. NEPALENSE, Spreng.; P. ASPERATUM, Kunth.

Found in Nepal and sub-Himalayan tract of the North West Provinces.

It is of too coarse a nature for cattle, but its foliage makes it ornamental. (Roxb.)

549 P. prostratum, Lamb.

Syn.—P. PROCUMBENS, Nees.; P. SETIGERUM, Rets.; P. REPENS, Burm.; P. CÆSPITORUM, Swarts.

Inhabits the plains of the Punjab and the North West Provinces. Mueller recommends it for pasture.

550

P. psilopodium, Trin.

Syn.—P. ROYLEANUM, Nees.

Vern.-Kutki, mijhri, N. W. P.

A millet found in Central and Northern India, ascending the Himalaya to 6,000 feet, towards Kumaun and Mussourie.

Common in the Central Provinces, and is grown there in very poor soil. In the North West Provinces also it is grown on the poorest village lands, but the cultivation is very limited. In Bundelkhand the area cultivated with *kutki* is reported to be 16,849 acres. The season for cultivation is from June to October.

**551** 

P. repens, Linn.

Syn .- P. ISCHÆMOIDES, Rets.

Found in Oudh and the Punjab.

A pretty, perennial grass on river banks and in swampy places. Cattle are fond of it, and the Cinghalese regard it as a good fodder grass.

552

P. sanguinale, Linn.

Syn.—Paspalum sanguinale, DC.; Syntherisma vulgare, Schrad.

Vern.—Mothi-kabbal, takri, and farw, PB.; Kewai, N. W. P.

Mr. Duthie says this grss is very common on the plains, and on the hills. Dr. Stewart considers it to be one of the best fodder grasses.

553

53 | Var. ciliare, Rets. sp.

Syn.—Paspalum ciliare, DC.

Vern .- Makur-jali, thakhriya, tikhria, kewai, N. W. P.

Found on the plains of the North West Provinces and the Punjab, also in Nepal; delights most in newly laid-down pasture ground.

Cattle are very fond of this grass.

554

P. semialatum, R.Br.

A superior tall grass of easy dispersion in warm, humid localities. (Mueller.) Inhabits the Himalaya in Kumaun from 3,000 to 6,000 feet, also in Nepal.

#### PAPAVER.

555

Papaver somniferum, Linn., PAPAVERACEE.

THE WHITE POPPY; OPIUM.

Vern.—Post, apim, aphing, Beng., HIND.; Khash-khash-ka-post, Dec.; Gasa-gasa-tol, TAM.; Gasa-gasa-tolu, Tel.

Extensively cultivated in North and Central India.

The seeds are, in Upper India, sometimes put into sweet cakes which are eaten by the higher ranks of Hindus at their festivals. Mr. Bingham

PAVIA.

says that "the seed has no narcotic qualities, but has a sweet taste, and is used parched by the lower class of natives as a food;" and that "it is also much used by the sweetmeat makers as an addition in their wares." After the oil, is extracted, "the cake is sold as a food to the poorer classes." The oil is used as Salad oil for cooking purposes. The seed is the maw seed given to cage-birds.

Paritium tiliaceum. W. & A. See Hibiscus tiliaceus, Linn., MALVACEE.

### PARKINSONIA.

Parkinsonia aculeata, Linn., LEGUMINOSE.

THE JERUSALEM THORN.

Vern.-Vilaiati kikkar, PB.

An introduced shrub, or small tree, now almost naturalised in India, especially in the arid zones, where it is grown as a hedge plant. (Gamble.)

In the Punjab it is lopped of its smaller branches which are given to goats as fodder.

#### PASPALUM.

## Paspalum scrobiculatum, Linn., GRAMINEE.

MILLET KHODA.

Vern.—Koda-ka-choul, Hind.; Kodon, koda, kodram, marsi, N. W. P. and Oudh; Kodon, kodra, PB.; Koda, BENG.; Korudoosha, kodruva, SANS.; Arugu, TELING.

A native of India. Cultivated by the natives in many parts of India. It delights in a light, dry, loose soil, but will grow in a very barren one; time of cultivation being the rainy season.

In the North West Provinces it is grown chiefly by the lower classes on inferior outlying land; and its cultivation is far more extensive than that of any of the other minor millets, owing to the readiness with which it grows in the poorest soil: the area under kodon in the thirty temporarily-settled districts of these provinces is reported to be 213,000 acres: the sowing takes place at the commencement of the rains, at the rate of from 12 and 20 lbs. of seeds per acre, and the crop is cut in October, with a yield of from 10 to 12 maunds of grain per acre, including the chaff, which is of large proportion and difficult of separation.

This common and cheap grain is an article of diet with the poorer classes, particularly those who inhabit the mountains and the more barren parts of the country, but it is not considered wholesome, as it produces diarrhœa. Being a comparatively unprofitable crop, it is not sown where more valuable crops will grow. "A curious fact connected with the grain is its liability to produce a sort of intoxication, which is vouched for by many authorities." (Duthie.)

The straw is given as fodder to cattle, and is readily eaten by them,

whether green or dry.

Var.-fluitans, Duthie.

Syn.-P. Kora, Linn.

Vern.—Kodu, HIND.; Neer-aruga, TELING.

This grass is found near water edges, and is considered by Mr. Duthie to be probably the wild state of P. scrobiculatum. Roxburgh placed it as a distinct species under Paspalum.

Cattle are fond of it, whether green or dry.

Pavia indica. See Æsculus indica, Colebr., Sapindacen.

556

557

### PENTA-TROPIS.

Penicillaria spicata, See Pennisetum typhoideum, Rich, GRAMINEE.

### PENNISETUM.

559

Pennisetum cenchroides, Rich, GRAMINEE.

Syn.—P. Rufescens, Spreng.; CENCHRUS CILIARIS, Linn.; C. ECHINOIDES' Wight.

Vern.—Angan, dhaman, kurkan, PB.; Kusa, charwa, N. W. P.

Common in the Punjab and North West Provinces on the plains and lower hills.

Described by Dr. Stewart as one of the best of all the wild grasses for forage for cows and horses. In the dry parts round Multan the seeds are used by the natives as food.

560

P. typhoideum, Rich.

THE BULRUSH, CUMBOO, OF SPIKED MILLET; DEKKELÉ, Fr.

Syn.—Holcus spicatus, Linn.; Panicum spicatum, Roxb.; Penicillaria Spicata, Lindl.; P. cylindrica, R. & B.

Vern.—Bajra, bajri, lahra, HIND.; Pedda-ganti (plant), gantiloo (grain), Tel.; Chambu, TAM.

A native of tropical Asia, Nubia and Egypt. Cultivated to a large extent in Northern and Southern India during the rainy season: seed sown in June and July brodcast at the rate of 2½ to 3 seers per acre, reaped in September and October and November; and yields about 668 lbs of seed and 3 tons of straw per acre. The grain is used chiefly by the lower classes of natives. It is eaten most in the cold weather as flour and made into roties (hand-bread), and occasionally with butter milk. With the usual adjuncts of a little milk, &c., it forms the staple food of many. It is considered heating. But it is more nutritious than rice.

There are two well-marked varieties, one (bajra) with greenish, coloured grain, and the other (bajri) with reddish grain. (Duthie.)

The green chopped stalks and leaves are used as fodder for cattle. It is much cultivated in the higher lands on the Coromandel Coast.

In the North West Provinces and Oudh the area grown with bajra and bajra-arhar in the thirty temporarily-settled districts is 1,965,471 acres. It is grown on poor light-soiled outlying land. The cost of cultivation including rent is Rs. 9\frac{1}{2} per acre; the out-turn is from 5\frac{1}{2} to 7 maunds of grain to the acre, with about 30 maunds of dry fodder. (Messrs. Duthie and Fuller.) By the addition of hops a pleasant beer may be made of the decorticated pith.

An export trade exists in this millet to other countries by sea, but the trade returns do not give the figures separately for it but put it under

Juar, which see.

The fruit spike is thicker than a man's thumb and 6 to 9 inches long in India, being twice as long as that of the African species.

Except Sorghum this is the most cultivated grain in India.

### PENTATROPIS.

**561** 

Pentatropis microphylla, Wight & Arn., ASCLEPIADER.

This shrub is much like the following in habit and character; inhabits the Sundarbans, the Deccan southwards, and Pegu.

	PEUCE- DANUM
Pentatropis spiralis, Dene.	562
Vern. — Ambarvel, van-veri, PB.	200
A twining, slender shrub found from the Punjab and Sind to the Jumna	
river eastwards, and to Afghanistan westwards.  In the Punjab the small tubers which grow on its roots in spring are	
peeled and eaten, and are said to be sweet and filling. (Dr. Stewart).	
PERILLA.	
Perilla ocimoides, Linn., LABIATE.	563
Vern, -Kenia, NAGA.	5-0
Native of Nepal, introduced into parts of Bengal. Also found wild and cultivated in Manipur, where the leaves and seeds are used as articles of food.	
PERIPLOCA.	
Periploca aphylla, Decaisne, Asclepiadem.	564
Syn.—Campelepis viminea, Falc.	J-4
Vern Buraye, Sind.; Barrarra, bane, Trans-Indus; Battia, JHELUM and CHENAB.	
A shrub of the arid, dry zones of the Punjab and Sind.	
In various places in these tracts the buds are eaten by the natives, raw	
or cooked, as a vegetable: they are said to taste like raisins.  The plant is eaten by goats.	
PETROSELINUM.	
Petroselinum sativum, Hoff & Koch, Umbelliferm.  Parsley.	565
Vern.—Pitar-saleri, PB.	
A native of Sardinia, wild in many parts of England, and cultivated for the sake of its finely-cut leaves, which are largely used for flavouring	
dishes.  Dr. Stewart says it is cultivated on the plains of India, but probably only for the European residents.	
PEUCEDANUM.	
Peucedanum graveolens, Benth., Umbellifera. Sowa.	566
. Syn.—Anethum sowa, R.	-
Vern.—Sulpha, Beng.; Soma, HIND.	
Found throughout tropical and sub-tropical India; often cultivated.	
(C. B. Clarke in Fl. Br. Ind.)  The time of culture is the cold season, and the object of the cultivation	,
is the carminative seed, which is used for culinary and medicinal purposes	,
and is met with in every market. It is from this seed that the useful	
Bishop's weed oil is obtained.  The natives commonly use the seed in their curries.	
the same of the sa	
"The leaves also are used in a similar way, in vegetable as well as in meat curries, and give a peculiar flavour to the curry. (Mr. L. Liotard.	

PHASEO-LUS.

### PHASEOLUS.

567

Phaseolus aconitifolius, Jacq., Leguminose.

Vern. - Moth, mothi, HIND.; Mokushtha, SANS.

Found from the "Himalayas to Ceylon, tropical regions up to 4,000 feet in the North-West." (Baker in Fl. Br. Ind.) Closely related to P. in the North-West." (Baker in Fl. Br. Ind.) Closely related to P. trilobus, and agreeing with it in flowers and general habits. Cultivated as a hot weather crop in the plains in dry, light, sandy soil.

In the North West Provinces and Oudh it is grown as a sole crop and also among millets; the area under Moth as a sole crop is returned at 211,006 acres in the thirty temporarily-settled districts; the seed is sown broad-cast at the rate of 4 seers to the acre; the average out-turn is 8 maunds of grain to the acre, with rather less than double this amount of fodder. (Messrs. Duthie and Fuller.)

The grain is used as food by the natives, and is said to cure flatulency, but is not considered wholesome. It is also used as cattle-food, and is considered a fattening diet. The leaves and stalks are also given to

cattle.

568

P. calcaratus, Roxb.

Closely allied to P. Mungo; P. Torosus, Roxb., is probably a cultivated

Inhabits all parts of the tropical zone from the Himalayas to Ceylon, and appears both cultivated and wild.

560

P. lunatus, Linn.

Syn.—P. LUNATUS, Willd.; P. VULGARIS, Wall.

A tall, biennial plant; legume 2 to 3 inches long, scimitar-shaped, seeds large, variable in colour; like the 'French Bean' in general aspect, but with smaller and more numerous flowers. Its pod is flat and broad with only two or three seeds. Everywhere cultivated.

For cultivated varieties, see Fl. Br. Ind. II., 200.

570

P. Mungo, Linn.

Syn.-P. MAX, Roxb.; P. Aurens, Ham.; P. Hirtus, Rets.

Vern.—Mug, Beng.; Mung, Hind.; Mudga, Sans.; Pucha-payaroo, Tam.; Pessaloo, Tel.

Cultivated throughout the plains, and ascends to 6,000 feet in the outer ranges of the North West Himalaya. Requires a strong, rich, dry soil; seldom grown alone, but generally as a subordinate crop in fields of millet or cotton; the seeds, at the rate of 12 seers per acre, are sown at the commencement of the rains; and the crop is reaped in October, a fortnight before the millets. The out-turn of grain is stated by Roxburgh to be thirty-fold, and by Messrs. Duthie and Fuller about 5 maunds to the acre (nine-fold): the latter is probably nearer the mark.

The ripe grain has a good taste, is wholesome and nutritious, is much esteemed, and commands a comparatively high price. The crushe dstalks

and leaves are prized as fodder for cattle.

It is not, however, possible to give even an approximately correct estimate of the area covered by the crop, owing to the almost invariable

practice just noted of growing it as a subordinate crop.

Mr. Fuller writes: "It is in some respects remarkable that it is not more frequently grown alone, since its grain commands a far higher price than that of millet, but this is no doubt partly explained by the precariousness of its growth; heavy and continuous rain, especially in September (when it is in flower) often causing absolute ruin. But as a counterpoise to

PHASEO-LUS.

this it bears, and justly, the reputation of being able to withstand a great deal of drought, and in a season of scanty rainfall, when millets have utterly failed, it, with urd, lobia and moth, forms a most valuable food resource, the so-called 'subordinate' crop becoming in this case of first-rate importance. Another advantage which these pulses share with arhar is that of not impoverishing the soil, or at all events not to the extent of gramineous crops such as the millets.'

Var. radiatus. Linn.

Syn.—P. Roxburghii, W. & A.

Vern.—Mash-kolai, Beng.; Urd, mash, Hind.; Masha, Sans.; Mimumulee, TEL.

This variety differs from P. Mungo in having longer and more trailing stems, in the plant being much more hairy, the reddish brown pubescens giving the foliage a lighter tint; in the seeds being fewer, larger and longer, and usually of a dark-brown colour (Duthie and Fuller).

Urd itself (radiatus) has two distinct sub-varieties, one with large black seeds ripening in August and September, and the other with smaller green seeds ripening in October and November. Both are, however, sown at the commencement of the rains: the soils which suit the crop are

of the heavier classes.

It is cultivated in most parts of the plains. In the North West Provinces and Oudh it is grown everywhere, generally as a subordinate crop with millet or cotton, but sometimes by itself; the area covered annually by urd alone is returned at about 258,495 acres in the 30 temporarilysettled districts, and if the area be added in which it is sown as a subordinate crop, the total would be twelve times as large as this for the 30 The rate of seed sown is 4 to 6 seers per acre when grown alone; and the out-turn in this case is estimated at 5 maunds of grain to the acre, with three times this weight of straw; when grown with other crops the out-turn varies considerably, owing to the absence of any definite proportion (Duthie and Fuller).

Phaseolus trilobus, Ait.

Syn. - Dolichos Trilobatus, Linn.

Vern. - Mugani, Beng.

Ranges throughout India, wild and commonly cultivated; ascends in the North West to 7,000 feet.

Seeds gathered and eaten by the poor.

Affords good fodder. (Voigt.)

P. vulgaris, Linn.

KIDNEY OF FRENCH BEANS, OF HARICOT.

Syn.—P. vulgaris, Willd.; P. nanus, Linn.

Cultivated, for the sake of its young pods, in all parts of India, chiefly in gardens. The green pod and its immature beans are cut up into slices, boiled, and eaten.

Stems low or suberect, twining; legumes 4 to 6 inches long.

Drs. Birch and Russel, in the Indian Review, strongly recommend as a tropical food "French Beans," being equally nutritive with meat while costing only one-fifth of the price, and add:—"These when suitably dressed are more readily assimilated than flesh, and the eater feels lighter and less oppressed than after a meal of the latter." As dried beans they might be largely utilised by the shikari and the soldier in the field.

**571** 

572

#### PHŒNIX.

574

## PHLEUM.

Phleum pratense, Linn., GRAMINEE.

TIMOTHY OF MEADOW CAT'S-TAIL GRASS.

Syn.—P. NODOSUM, Linn.

This perennial meadow and hay grass, the family badge of the Sutherlands, is one of the most valuable fodder grasses, especially for heavy, moist soils, as it is one of the earliest and most productive.

### PHŒBE.

575

Phœbe attenuata, Nees., Laurine E.

Vern.—Dudri, Nepal; Lepcha-phal, Darjeeling; Phani, Lepcha.

A large, evergreen tree of Sikkim and Bhutan, from 4,000 to 8,000 feet, hills of East Bengal.

The fruit is large, of the size of green walnut, when ripe; it is eaten by the Lepchas. (Gamble.)

### PHŒNIX.

576

Phœnix acaulis, Roxb., PALMA.

Vern. - Khajuri, pind-khajur, jangli-khajur, HIND.; Schap, LEPCHA; Boichind, MAR.; Chindi, GOND.; Thinboung, BURM.

A low, stemless palm of the sub-Himalayan tract from the Jumna eastward to Behar, and southwards to Central India; it is also found in Flowers in the cold season, ripens its fruit in April and May.

The fruit is small, but is eaten by the natives. The natives of Chutia Nagpur make a kind of sago from the pith of the tree which they eat.

577

P. dactylifera, Linn.

DATE PALM.

Vern. - Khajur, khaji, HIND. In the Punjab the fruit is pind, chirwi, bagri,

the cabbage of leaves gadda, galli.

This wing-leaved palm, which attains a height of 50 feet or more, is cultivated and self-sown in South Punjab and adjoining parts of Sind-It does not thrive well in Lower Bengal. It produces, in bunches of 20 to 30 or more, the true Date fruit which, for some part of the year in the tracts just mentioned, forms a large proportion of the food of the natives.

This palm has from 2 or 6 to 12 or 14 spadices, sometimes so numerous as to make it necessary for the preservation of the tree to remove some. As much as 4 cwt. of dates have been gathered from one tree in Egypt. To attain to such fertility it must be frequently irrigated. The best trees are those produced, not from seeds, but from a slip taken from the root of the step of an adult tree, planted, and watered daily for six weeks, and frequently thereafter. In this way a crop of 14,400 lbs. of dates will be obtained per hectare of 2\frac{1}{2} acres. The most refreshing way dates will be obtained per hectare of 21 acres. to use them is to eat them as paste mixed with barley.

The yellow dates are the smallest, and the black generally the largest, each ripening separately, and thus making room for others. The crushed dates sold in mass in the foreign markets are the inferior and damaged

Edgeworth, when Commissioner of Multan, tried to make sugar from the juice of the Date: he employed for this purpose experienced persons, natives of Jessore (Bengal), and found, after some trials, that the male tree produces but little juice, that the female yields more, but that its fruit is much more valuable than the sugar was likely to be.

PHŒNIX.

When trees are cut down, the terminal bunch or heart of young leaves is taken by the natives, and eaten by them both raw and cooked. It is

excellent, and makes a good curry.

The hard kernels of the fruit are ground and serve as food for camels, goats, sheep, horses, and other animals, Roasted they are sometimes sold as Date Coffee. From the sap is made a fermented wine which is drunk as an intoxicating beverage. This is supposed to be the Date tree whose branches are mentioned by St. John (xii. 13).

## Phœnix farinifera, Willd.

Vern.-Chilta-eita, TEL.; Ichal, KAN.

A small, almost stemless, palm of sandy lands, near the sea at Coringa. Flowers in January and February, and its fruit ripens in May.

The fruit has a small quantity of pulp, but it is sweet and mealy, and

is eaten by the natives.

The trunk of the tree yields a farinaceous substance which is eaten by the natives. The account given of it by Dr. Roxburgh seems worthy of

notice:--

"The small trunk, when divested of its leaves, and the strong, brown fibrous web that surrounds it at their insertions, is generally about fifteen or eighteen inches long, and six in diameter at the thickest part; its exterior or woody part consists of white fibres matted together; these envelope a large quantity of farinaceous substance which the natives use for food in times of scarcity. To procure this meal, the small trunk is split into six or eight pieces, dried, and beat in wooden mortars, till the farinaceous part is detached from the fibres; it is then sifted to separate them; the meal is then fit for use. The only further preparation it undergoes is the boiling it into a thick gruel, or as it is called in India, Kangi; it seems to possess less nourishment than the common sago, and is less palatable, being considerably bitter when boiled; probably a little care in the preparation and varying the mode might improve it; however, it certainly deserves attention, for during the end of the last, and beginning of this year, and even again at this present time, May 1792, it has saved many lives. Rice was too dear, and at times not to be had, which forced many of the poor to have recourse to these sorts of food. Fortunately it is one of the most common plants on this part of the coast, particularly near the sea."

#### P. rupicola, T. And.

Vern.—Schiap, LEPCHA.

"A beautiful palm of the lower hills of Darjeeling and Bhutan."

It is commonly seen growing on rocks, and is sometimes cut down by Lepchas for the interior of the stem, which they eat.

## P. sylvestris, Roxb.

WILD DATE OF CADEN.

Vern.—Khejoor, Beng.; Khajur, khaji, salma, thakil, Hind.; Pedda eita, Tel.; Periaeetcham, Tam.; Seindi, Berar.

Wild and cultivated throughout India.

Appears in all soils and situations, flowers at the beginning of the hot season, and produces in summer inferior yellowish or reddish fruit, eaten by native boys and the poorer classes.

The trees are, however, useful in yielding the "Khejjur rus" (Date juice) from which "Tari" or Palm-wine and sugar are made. The juice is

extracted as follows:-

The lower leaves and their sheaths are removed, a notch is cut into the pith of the tree close to the remaining leaf sheaths, and a thin channelled

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580

PHYL-ANTHUS.

slip of wood or piece of the date or palmyra leaf is inserted into the notch. The juice issues from the notch, is conducted by the channel and falls into an earthen pot which is tied on to receive it. In the cold season, i. e., from the end of October to February, the trees are thus tapped in the evening, and the juice is taken before sunrise. It is used in two ways: (a) in its unfermented fresh state, (b) in its fermented state. In its fresh state it is used in two ways. In a smaller proportion it is sold in the early mornings as Khejjur-rus: it is then the sweet juice and is drank by the natives as such. In a larger proportion, also in the early morning, the sweet juice is collected, generally under some shady bamboo grove or tamarind tree, in large, open earthen vessels and boiled over woodfire until the juice becomes thick. It is then taken off the fire, and dried by exposure. The substance obtained is Jageri or Goor, or raw Date sugar. The quantity of raw sugar thus made in Bengal, Orissa, and the southern regions every year is large.

A small proportion of the juice, instead of being used in the two ways above described, is exposed to the sun's influence and soon ferments, and is then known as Toddy (English) or Tari (Beng., Hind.). In the making of Toddy the tapping of the trees is not confined to the cold season only, but is practised throughout the year. Toddy is used for two purposes—

(1) as an intoxicating drink, (2) as yeast in making bread.

### PHRAGMITES.

**581** 

# Phragmites communis, Trin., GRAMINEM.

COMMON REED.

Syn. - Arundo Phragmites, Linn.

**Vern.**—Dila, Pb.

Inhabits the highlands of western Tibet, Lahoul and Ladak up to 14,000 feet, and through Kashmir, Jhelum valley, and Garhwal, down to Lahore and Ferozepur.

In Ladak eaten by cattle, in Lahoul used for roofing. Sandals are

made from its stems.

## PHYLLANTHUS.

582

Phyllanthus distichus, Mull. Arg., Euphorbiacek.

Syn.-P. LONGIFOLIA, Jacq.

Vern.- Loda, nori, Beng.; Harfaruri, chalmeri, HIND.; Russa-usareki, Tel.; Arunilli, TAM.; Kirneli, Mysore; Thin-bo-si-pyoo, Burm.

An elegant, small tree common in gardens in South India, Burma,

and the Andaman Islands.

Produces at the beginning of the hot season numerous small reddish flowers, which are succeeded by small, fleshy fruits not unlike gooseberries. The fruits are much used as an article of food, either raw or dressed in various fashions, or pickled, or made into preserves.

583

## P. Emblica, Linn.

Vern.—Ambal, ámbli, PB.; Daula, ámla, aonla, ámlita, aura, HIND.; Amla, ambolati, amulati, alá thanda, Beng.; Anvala, Bom.; Ambari, GARO.; Amluki, Ass.; Nelli, nellekai, TAM.; Osirka, usri, asereki, TEL.; Nelli, KAN.; Shabjee, tasha, BURM.

A moderate-sized tree in the dry forests of India and Burma.

The acid fruit of this species, which is of the size of a small gooseberry, with a fleshy outer covering, and a hard three-celled nut, containing six seeds, is the Emblic Myrabolan. It is used, among other

	PICRAS
purposes, for food and preserves by the natives. It is made into a sweet- meat with sugar, or eaten raw as a condiment. It is also used as a pickle or preserved in sugar. Branches of the tree are sometimes placed in wells with the view of imparting a pleasant flavout to the water.	MA.
PHYSALIS.	
Physalis minima, Linn., Solanace E.	584
Vern Bun-tepoori, Beng.; Tulati-pati, Hind.  An herb common in places throughout the tropical regions of India.  Produces berries which are smaller than the following and are eaten by natives.	
P. peruviana, Linn.	585
CAPE GOOSEBERRY.	
Syn.—P. Edulis. Vern.— Tepoori, Beng.; Tepari, Hind.	
A native of tropical America. A weak, sub-erect plant cultivated to a limited extent, and here and there, throughout India for its fine-flavoured, luscious fruit.	
The berries are large, yellowish, and palatable; and are eaten raw by all classes. Europeans eat them raw, as well as in preserve.	
Physochlaina præalta, Hook f., SOLANACEÆ.  Vern—Sholar, bajar-bang, nandru, dandarna, PB.; Lang bang, LADAK.  Met with in North Kashmir and Western Tibet, altitude 12,000 to	586
The leaves are used medicinally, and are said to be poisonous. At Lahoul, however, they are browsed by cattle.	•
PHYTOLACCA,	
Phytolacca acinosa, Roxb., Verbenacer.	587
Vern.—Lubar, burgee, rinsag, jirka, matasor, sarunga, PB.  An herbaceous, erect plant in the Himalaya, from the Punjab to Nepal, at altitudes of 3,500 to 8,000 feet.	<b>5</b> -7
The fruit and perhaps the leaves are said to produce delirium when eaten. The leaves are, however, eaten by the natives in Nepal and elsewhere in curries.	
PICEA,	
Picea Webbiana, Lamb., Coniferæ.  Vern.—Paludar, badar, rag, dhunnu, spun, bajur, PB.  A large tree in many parts of the Punjab Himalaya from 1,500 to 5,500 feet.	588
The twigs and leaves are much used as fodder in parts of the Jhelum basin.	
PICRASMA.	
Picrasma quassioides, Benn., SIMARUBEE.	589
A large, scrambling shrub or plant of sub-tropical Himalaya, met with from Jamu to Nepal and Bhutan.  Produces green flowers and small red fruit or drupes. The fruit is eaten in some parts of the above tracts by natives. The shrub is browsed by goats and sheep.	3-7
1 Prom and anoth.	

PIPER.

### PIMPINELLA.

590

# Pimpinella Anisum, Linn., Umbelliferæ.

THE ANISE SEED.

Vern.-Belati-radhuni.

This annual of the Carrot family is a native of Europe.

Sometimes met with in cultivation in gardens during the cold season;

introduced from Europe.

In the Peshawar valley the plant is said to be used as a vegetable, and perhaps it is so used in some other parts also. But it is cultivated chiefly for its seeds which are officinal and is used in confectionery. From them is made the well-known cordial called Aniseed.

### PINUS.

**501** 

# Pinus Gerardiana, Wall., Conifera.

THE NEOSA PINE.

Vern.—Chilghosa, jalghosa, Afg.; Chiri, pritu, mirri, galgoja, Chenab; Kashti, Ravi; Chilgoja, Simla.

A moderate-sized tree with very thin grey bark; found in the inner dry and arid parts of the North-West and Punjab Himalaya, in isolated areas of no great extent, generally between 6,000 and 10,000 feet; also on the mountains of North Afghanistan and Kafiristan. The tree is valued on account of the cylinder-shaped, almond-like seeds contained in the cones. The latter ripen towards the end of October, and the seeds are extracted from the unopened cones by heating.

They are largely eaten by the natives, are stored for winter use, and are also sold, in considerable quantities, in the Himalayan and sub-Himalayan tracts, and exported partly to the plains. Besides the local supplies, large quantities are imported into the Punjab from

Afghanistan

No statistics are available of the probable annual produce, but the following furnishes some data: a full-sized cone yields more than a hundred seed; each tree produces from 15 to 25 cones; the seed is sold in the Simla bazars at from 6 to 8 seers per rupee.

502

# P. longifolia, Roxb.

Vern.—Nakhtar, Afg.; Chil, chir, dráb chir, PB.; Anander, JHELUM; Dhúp, OUDH; Dhúp, sala dhúp, NEPAL.

A large tree of Afghanistan, outer North-West Himalaya, ascending to 7,500 feet; Sikkim, and Bhutan, ascending to 4,000 feet, though scarce above 3,000 feet.

Dr. Stewart writes: "In parts of the Jhelum basin, the turpentiny seed is at times eaten when food is scarce, but it cannot be a pleasant, and is probably not a nutritious, food."

## PIPER.

593

# Piper Betle, Linn., PIPERACEE

Syn .- CHAVICA BETLE, Miq.

Vern.—Pán, Hind., Eeng.; Támbula, Sans.; Vettilee, Tam.; Tamal-pakoo, Tel., Pána, nagavela, Bom.

Cultivated throughout India for its leaves.

The leaves of this plant, together with lime, catechu, and betelnut,

PIPEP.

594

and also certain spices, such as cardamoms, nutmegs, and cloves, are made into little packets called  $p\acute{a}n$ , generally chewed by the natives of India, especially after meals.

# Piper nigrum, Linn.

BLACK PEPPER.

Vern.—Kala-marich, gole-marich, Beng., Hind.; Choka, Dec.; Milagu, TAM.; Miriyalu, Tel.

A climber, extensively cultivated for the sake of its currant-like berries in South India.

These berries are at first green, then red, but on being gathered and dried become black, and as Black Pepper are very commonly used both by Natives and Europeans in food, and to a small extent medicinally.

White Pepper is the same berry, but divested of its skin by maceration in water and subsequent rubbing; made whiter by chlorine. The highest esteemed Pepper comes from the Malabar coast. When left to itself the Pepper-vine attains a height of upwards of 20 feet, but it is found convenient to keep it down to 12 feet. They attach themselves to rough-bark trees and bear their berries from the time they are 3 till they are 7 or 8 years old.

A large export trade is carried on in Pepper by sea to foreign countries. The following table will show the extent of the trade during the last five years:—

	Official years.								Quantity in lbs.	Value in Rs.
1878-79	•								7,149,323	12,17,365
1879-80	•	•	•	•			•		3,315,901	6,42,853
1880-81		•	•	•	•				4,917,548	10,32,771
1881-82								.	3,617,634	8,01,463
1882-83									9,265,411	23,06,721

Analysis of exportation of Black Pepper from India for the year 1882-83:—

Provinces from which exported.					Quantity in lbs.	Countries to whic exported.	Quantity in lbs.	
Madras Bombay Bengal Sindh	:	•	•	•	7,509,919 1,748,328 6,244 920	France		6;742,901 854,075 461,551 461,151 371,648 217,952 126,800 299,333
		TOTAL	•		9,265,411	Total .		9,265,411

# P. sylvaticum, Roxb.

Vern .- Pahari-peepul, N. W. BENGAL.

Met with in the mountains on the north-west border of Bengal. The natives use this pepper, both green and ripe, in their dishes.

PISUM.

### PISTACIA.

696

Pistacia integerrima, J. L. Stewart, ANACARDIACE E.

Vern.—Kaka, kakkar, kangar, tunga, PB.; Kakrasinghi, BBNG.

A tree with rough bark, met with on the Sulaiman Range, the outer North-West Himalaya, extending eastward to Kumaun, altitude 6,000 feet

"The leaves are lopped for fodder for buffaloes and camels." (Gamble.)

507

P. vera, Linn.

THE PISTACHIO NUT.

Vern.- Pista, Beng., HIND., & BOM.

A small tree of Western Asia and Afghanistan.

Produces the pistachio nut which is oval-shaped and sometimes an inch long, but generally not more than half-an-inch. It has a brittle shell enclosing the eatable part which is of a greenish color and an agreeable flavour. It is eaten by all the well-to-do classes. Large quantities are imported from Afghanistan into many parts of India as far down as Calcutta. It is simply dried like almonds or made into articles of confectionery.

The exact quantity cannot be ascertained, as the trade returns do not specify the nut, but lump it under the head of "fruits, nuts and vege-

tables."

They are supposed to be the nuts sent by Jacab into Egypt.

#### PISUM.

598

Pisum arvense, Linn., Leguminosæ.

THE GREY OF FIELD PEA.

Vern.—Desi-mattar, chota mattar, HIND., BENG.; also kalon, kulai batana in parts of N. W. P.

Native of Greece and the Levant, and probably the parent of P. Sativum. Cultivated in many parts of India during the cold weather.

Produces small, round, compressed, greenish and marbled grains; and is by Roxburgh considered to be a variety of the common grass field pea, and by Baker in *Fl. Br. Ind.* to be a sub-species. It may be a sub-species of the next (P. sativum).

It must be, however, carefully distinguished from the *Kesari*, Lathyrus sativus, which is a different species, but to which it bears some resemblance both in appearance of the grain and the mode of cultivation.

See Lathyrus sativus, also the next.

Field peas are often, in England, drilled with horse-beans, the mixture being known as Poults, a corruption of Pulse. Pease straw is highly esteemed as fodder.

599

P. sativum, Linn.

THE COMMON PEA.

Vern.-Mattar, gol-mattar, N. W. P.; Harenso, SANS.

An annual tendril climber, a native of the South of Europe. Cultivated in many parts of India during the cold weather. It includes the white peas known as *Cabli* and *Patnai* according as they are large or small. P. sativum is more valuable and prolific than P. arvense.

POA.

Peas are sown in the North West Provinces and Oudh from the end of September to the middle of October on heavy soil at the rate of 1\(\frac{1}{2}\) maunds per acre if of the fine and at 1 maund if of the coarse kind; the cost of production per acre is about Rs. 12-13 for the latter and Rs. 17-13 for the former kinds, assuming that the soil is twice watered during the whole season. The crop suffers from frost and the ravages of caterpillar; the average area sown annually in the thirty temporarily-settled districts of the North West Provinces is reported to be about 379,852 acres. The average out-turn is from 10 to 16 maunds per irrigated and from 7 to 8 maunds per unirrigated acre. The out-turn of chaff (bhusa) is about equal to that of grain.

This, one of the oldest and most valuable of cultivated legumes, when dried and split, is used for soups, or ground into meal for puddings, &c. It contains upwards of one-seventh more of nourishing matter than is found in the same weight of wheaten bread. But it is when young and green that it is chiefly used by Europeans, and more especially when in the beginning of the season it is scarce and regarded as a vegetable deli-

cacy.

### PITHECOLOBIUM.

# Pithecolobium dulce, Benth., LEGUMINOSE.

MANILLA TAMARINDS.

Syn.-MIMOSA DULCIS, Roxb.; INGA DULCIS, Willd.

Vern.—Dakhani-babul, HIND.; Karkapili, TAM.; Sime hunase, KAN.; Kwaytanyeng, Burm.

A large tree introduced from Mexico and now cultivated throughout India and in large numbers along the railway lines in the Madras Presidency.

Flowers during the cold season in this country, and produces annually in abundance pods 4 to 5 inches in length and \( \frac{1}{2} \) inch in breadth

with six to eight seeds.

The seeds are half enveloped in a sweet, wholesome and edible, whitish pulp contained in a cylindrical, irregularly-swollen pod, curled at the top.

#### POA.

# Poa annua, Linn., GRAMINE ...

Syn. - P. SUPINA, Schrad.

Vern.—Chirua, N. W. P.

A very common grass in Europe where it is considered good for early pasturage. In India it inhabits the plains and Himalaya within the limits of the Punjab and North-West Provinces. (Duthie.)

# P. plumosa, Retz. See Fragrostis pulmosa, Link.

# P. pratensis, Linn.

SMOOTH-STALKED MEADOW GRASS.

Syn.—P. ANGUSTIFOLIA, Linn.

Found in Tibet, Kashmir, and the Himalaya.

Mr. Duthie writes:—"In England it is considered to be a good fodder grass, and valuable for early hay. In America it is known by the name of 'Kentucky blue grass,' and is much prized for pastures and lawns."

This and the following are regarded as specially valuable for agricultural purposes.

600

601

#### PONGA-MIA.

603

# Poa trivialis, Linn.

ROUGH MEADOW GRASS.

Met with in the highlands of Western Tibet, 12,000 to 14,000 feet in altitude.

Thrives well in moist and rich soil, and considered a valuable gras, in such soils.

### PODOPHYLLUM.

604

Podophyllum emodi, Wall., Berberida.

Vern. — Papri, ban-kakri, chijakri, gul-kakru, PB.

A stout, erect herb of the inner Himalaya from Sikkim to Hazara and Kashmir, at 9,000 to 14,000 and 6,000 feet.

Produces handsome red fruits which ripen in September and October and are eaten by natives in most parts. Europeans consider the fruit insipid.

### POLLINIA.

605

# Pollinia eriopoda, Hance, GRAMINEE.

BANKASS.

Syn.—Spodiodogon angustifolius, Trin.; Andropogon notopogon Nees.

Vern.—Bhabar, bankas, munji, HIND.

Inhabits the plains of the Punjab and North-West Provinces, common also along the Terai, and at low elevations on the hills. (Duthie.)

Much used for cordage in the Gorakhpur district, also for the construction of swing bridges in the hills. (Duthie) Used as a cattle fodder.

### POLYGONUM.

606

# Polygonum molle, Don., Polygonacem.

Vern .- Totnye, patu-swa, NEPAL.

A straggling shrub extremely common in the hills of Sikkim and Bhutan, from 5,000 to 8,000 feet in altitude.

The young shoots are pleasantly acid and are eaten like rhubarb.

607

# P. polystachyum, Wall.

Vern.—Amhdandi, chuchi, tror, PB.

A tall tree of the Punjab Himalaya, from 6,000 to 12,000 feet in altitude.

The young leaves are eaten by the natives as a pot-herb. The stalks are eaten raw in some places after being peeled. When stewed they are a good imitation of rhubarb.

# PONGAMIA.

608

# Pongamia glabra, Vent., LEGUMINOSÆ.

Vern.—Karanj, papar, HIND.; Dalkaramcha, karanja, BENG.; Ponga, TAN., Kanga, TEL.; Thenwian, Burm.

An erect tree or climber in the lower Himalayan tract and plains, from the Ravi eastward, also in Bengal, Central and South India, and Burma. Produces during the hot season flowers of a beautiful mixture

of blue, white, and purple, and legumes which ripen during the close of the year. From the seed is obtained Poonga Oil Cattle are fond of the leaves.	POTAMO GETON
POPULUS.	
Populus balsamifera, Linn., Salicinem.  The Tacamahac.  Vern.—Phalsh, makkal, PB.; Berfa, changma, W. Tiber.  A large tree of the inner arid Himalaya and Tibet, 8,000 to 14,000 feet, is remarkable for its fine foliage and the pleasant balsamic odour of its leaves and buds.  The branches are lopped for cattle fodder.	609
P. ciliata, Wall.  Vern.—Safeda, phalja, dud-phras, pahari-pipal, PB.; Garpipal, Kumaun;  Chelun, Simla.  A large tree in the Himalaya from the Indus to Bhutan.  The leaves are used as fodder for goats.	біо
P. euphratica, Olivier.  HIMALAYAN POPLAR.  Vern.—Bahan, Sind., PB.; Hodung, Ladak.  A large tree on the banks of the Indus in Sindh and Punjab, ascending into Tibet, supposed to be the willow of Psalm 137.  The leaves are used as fodder for goats and cattle.	611
PORTULACA.	
Portulaca oleracea, Linn., PORTULACE.  THE COMMON PURSLANE.  Vern.—Loonia, nooniya-shág, Beng., Hind.  This low, succulent, annual herb is found throughout India, and up to 5,000 feet in the Himalaya.  Often eaten as a pot-herb by the natives, especially in times of scarcity. Its young shoots make an excellent salad, and the older ones pot-herb or pickle.	613
There are three varieties, the Common Green, the Golden, and the large-leaved Golden, grown in gardens.	
P. quadrifida, Linn.  Syn.—P. MERIDIONA, Linn.  Vern.—Nooniya, Beng.; Lunak-hakska, Pb.; Pail-kura, Tel.  An annual, diffuse herb found in the warmer parts of India and on the lower Himalaya; common in gardens, chiefly as a weed.  Used as a vegetable by natives, and considered cooling.	біз
POTAMOGETON.	: `
Potamogeton crispus, Linn., NAIADACEE.  Vern.—Sawdl, PB.; Chásbal, LADAK.  Found on the Punjab plains and up to Ladak; common in the latter.  Used as fodder and for refining sugar.	614

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PRINSE- PIA.	
615	Potamogeton gramineus, L.  Vern.—Yila, simbil, phus, PB., LADAK.  Also found on parts of the Punjab plains, and ascends into Ladak.  Used for fodder, also in refining sugar.
616	P. lucens, L.  Vern.—?  Common in Kashmir, where large quantities are used as fodder.
	POTENTILLA.
617	Potentilla fruticosa, Linn., Rosace.  Vern.—Spang-jho, merino, PB.; Pinjung, penma, Ladak.  A shrub, with pinnate leaves and yellow flowers, is found growing in bushy places in the temperate and sub-alpine Himalaya from Kashmi eastward to Sikkim, at 8,000 to 16,000 feet altitude. Appears in various forms, vis., much-branched, robust, erect, or prostrate, leafy, low or tall. Its fragrant leaves are in the higher parts of the Chenab basin used a substitute for tea. (Stewart quoting Astch. and Long.) It is browsed by sheep.
618	P. Salessovii, Steph. Vern.—Show, Ladak. A. shrub in Lahoul, Spiti, Ladak, and Northern Kashmir. Browsed by sheep.
	PREMNA.
<b>6</b> 19	Premna integrifolia, Linn., Verbenacez.  SynP. Serratifolia, Linn. as in Robx. Fl. Ind. III 77; [SPINOSA, Roxb.  Vern.—Arni, Hind.; Bhut-bhiravi, Beng.; Ganiari, Oudh; Bakarcka, Garwahl; Gineri, Nepal; Munnay, Tam.; Ghebu-nelli, Tel.; Chamari, Mar.  A small tree in Northern India, from Oudh eastward, also in South India, Tenasserim, and the Andaman Islands.
	In parts of India the leaves are used for feeding cattle.
620	P. latifolia, Roxb.  Vern.—Gineri, Nepal; Michapgong, Lepcha; Gondhona, Uriya; Peddanella-kura, Tet.  A small tree in the sub-Himalayan tract from Kumaun eastwards, and Southern India.  The leaves have a pretty strong, not unpleasant smell, and are eaten by the natives in curries, especially in South India. They are also sometimes given as fodder to cattle.
	PRINSEPIA.
62 <b>1</b>	Prinsepia utilis, Royle, Rosace E.  Vern.—Bhekal, bekkra, karanga, Hind.; Gurinda, Hazara; Tatua, phulwara, jinti, Chenab; Bekling, Kanawar.  A thorny shrub, from Hazara to Bhutan, between 2,000 and 9,000 feet, also in Khási hills.  The oil yielded by the fruit is used in food and for burning.

PRUNUS: PROSOPIS. Prosopis dulcis, Leguminosæ. 622 ALGAROBA of PARAY. Vern.—Algoraba. Introduced from America into Madras, where they are now known as 'Tamarinds,' and planted along railway lines. Its sweetish, succulent pods, from 20 to 24 inches long, enclosing black seeds embedded in white pulp, are largely used for feeding cattle, P. glandulosa, Torr. 623 THE "MESQUIT OR ALGORABA OF TEXAS." A native of the mountain regions of western Texas. Produces pods the interior of which is filled with a sweet pulp. The sweet mucilage of the pod, by fermentation and boiling, makes a not unpleasant drink. The seeds or beans, powdered and mixed with water, forms a paste, which, on being dried in the sun, makes an article of food, and keeps for a considerable time. P. pubescens, Bth. 621 Screw bean, or screw mesquit of the Tornillo. This produces the true Mesquit bean of the Texas, and is being experimentally cultivated in the Royal Botanic Gardens, Calcutta. It is a native of Texas and New Mexico. The beans or pods are screw-shaped, and borne in abundance; they ripen at all times of the year, and contain much saccharine and nutritious matter. From this matter molasses is made by boiling. The screw-like form of its pods gives it its name Tornillo or Screw Bean. The pods form an important article of food to the natives, and are largely devoured by cattle. Great caution is required in their use as fodder for horses. P. spicigera, Linn. 625 Syn.—Adenanthera aculeata, Roxb. Vern.—Jhand, khar, PB.; Kandi, samada, sami, SIND; Khijra, RAJPUT-ANA; Semru, hamra, Guz.; Shami, Beng.; Perumbe, jambu, TAM. A moderate-sized tree in the north and south dry zones of India: the Punjab, Sind, Rajputana, Guzerat, Bundelkhand, and Dekkan. The pods ripen before and during the rains, and contain, when scarcely ripe, a considerable quantity of a sweetish, farinaceous substance, which has the flavour of that of the carob tree, and is largely consumed as food in the Punjab, Guzerat, and the Deccan; in some parts by all classes, in others only by the poor and in times of scarcity. It is eaten in different ways: green or dry; raw and alone; boiled with salt, onions and ghi and eaten with bread, or mixed with dahi. The pods are also sometimes used as fodder for camels, cattle, and goats.

### PRUNUS.

Prunus amygdalus, Baillon., Rosace E.

THE ALMOND TREE.

Syn .- Amygdalus communis, Willd.

Vern.—Badám.

Cultivated in Afghanistan, Persia, Kashmir, and the Punjab.

Κī

#### PRUNUS.

The almond tree seldom exceeds 15 feet in height, but by being grafted on the plum, it attains to a height of 20 to 30 feet, with a trunk from 8 to 10 inches in diameter.

Sweet almonds are largley used as dessert and in confectionery, and are also eaten by the well-to-do natives. The part eaten are the two seed lobes or kernel, which is nutty and sweet. Bitter almonds, a distinct variety, yield prussic acid and an oil.

Considerable quantities of almond are imported from Afghanistan

into India, and reach so far down as Calcutta.

### 627

### Prunus armeniaca, Linn.

THE APRICOT, MISHMUSH OF 'MOON OF THE FAITHFUL'.

Vern. - Jard-aru hari, gardalu, shirán, hush, PB.; Khubani, chúari, sard álu, HIND.

A moderately sized tree, wild and cultivated in the Himalaya of the Punjab and North-West Provinces.

The fruit is largely eaten by all classes, fresh or dried, but chiefly fresh, and sometimes in preserve by Europeans.

Sometime they are pressed together and rolled out into thin sheets or 'moons', 2 or 3 feet in diameter, like to a Blacksmith's apron.

From Afghanistan large quantities of the dried fruit are imported into India, and distributed by trade far into the plains till Calcutta.

They are believed to be the "Apples" of the English Bible.

### 628

## P. Avium, Linn,

SWEET CHERRY.

Vern. - Gilás.

Cultivated in the N. W. Himalaya up to 8,000 feet, and almost naturalised.

Flowers in April-May, and the fruit ripens in June. The European varieties introduced have not succeeded in these hills owing to the effect of the heavy rain on the young fruit. (Atkinson.)

### 620

# P. Cerasus, Linn.

WILD CHERRY.

Vern. - Alu-balu, PERS.; Kerasya, ARAB.

Cultivated in the Himalaya of the Punjab and North-West Provinces up to 8,000 feet in altitude.

The fruit is eaten by all classes; those of the wild variety being used only by the poorer class of natives.

# 630

# P. communis. Huds.

THE PLUM.

Var. domestica.

Vern.—Alucha, olchi, shaft dlu, PB., Bhotiya badám, Ladákhi badam, Almora.

Cultivated from Garhwal to Kashmir in the Western Himalaya.

The fruit when ripe is large, yellow, sweet, and juicy. Eaten by all classes and much esteemed.

# 631

#### Var. Insititia.

THE BOKHARA PLUM,

Vern.—Alu-Bokhárá, Hind., Bom., Pers.; Alpo-gadda-pasham, Tam. Found in the western temperate Himalaya; cultivated or indigenous from Garhwal to Kashmir, altitude 5,000 to 7,000 feet.

The Bokhara plum is met with in a dry state in the Indian bazars.

A chaini is generally prepared from it and much relished by the natives.	PSORA- LEA.
Prunus Padus, Linn.	632
THE BIRD CHERRY.  Vern.—Jamana, Hind.; Likh-arm, Nepal; Páras, kalakat, sambu, dudla, PB.; Hlo sa hlot-káng, Lepcha.  A moderate-sized tree in the Himalaya, from the Indus to Sikkim.  Produces an acid fruit, or drupe, of the size of a large pea.	
P. persica, Benth. & Hook.  The Peach.  Syn.—Amygdalus persica, Linn. Vern.—Aru, aor, Pb.; Ghwareshtai, Afg.; Shaftala, Pers.  Commonly cultivated everywhere throughout the Himalaya and in Upper Burma.  Eaten by all classes. The nectarine is a form of this.	633
P. prostrata, Labill.  A small shrub in the arid parts of the western temperate Himalaya from the Sutlej westwards.  Produces a small berry, red-purple flesh, scarcely eatable, though juicy.	634
P. Puddum, Roxb.  Vern.—Paddam, Hind.; Chamiári, amalgach, PB.; Kongki, LEPCHA.  Wild in the Himalaya, from the Indus to Assam and Khásia hills.  Produces an oblong berry with scanty yellow or reddish acid pulp.	635
PSIDIUM.	
Psidium Guyava, Raddi, Myrtacer.  The Guava Tree.  Vern.—Amrái, amrád, Hind. & N. W. P.; Péyara, geeiabu, Beng.; Peru, Bom.; Amuk, Nepal; Modhuriam, Ass.; Segapu, Tam.; Yama, coya, Tel.; Malaka beng, Burm.  A small, evergreen tree, of 15 to 20 feet in height; introduced from America, now widely cultivated, from the eastern tracts of the Punjab to Bengal, Central and Southern India, and in some parts semi-wild.  There are two varieties: one, pyriferum, Linn, is pear-shaped; the other pomiferum, Linn., is round or ovoid. The latter is generally pink inside, and the former white, but the colour is not constant, both being sometimes irrespectively white or pink. The better cultivated trees produce excellent fruit, with a thin bright yellow rind, filled with a pulpy yellowish, creamlike or red flesh, which has a pleasantly acid-sweet flavour.  The fruit is very common, and is universally eaten by all classes. The natives generally eat it in its natural ripe state. Europeans eat it so, as well as made into stew or the well-known "Guava jelly" or "Guava cheese."	636
PSORALEA.	
Psoralea plicata, Delile, LEGUMINOSE.  Vern.—Bakhtmal, Ps.  A low, much-branched shrub in the arid plains of the Punjab.  Camels are fond of it.	637

#### PUNICA.

### PTERIS.

638

Pteris equilina, Linn., GRAMINEÆ.

BRAKE OF BRACKEN.

Vern. - Kakhash, kakei, lungar, dio, PB.

A fern, abundant in the Punjab Himalaya.

The underground running stems rhizome produce numerous winged herbaceous stems called "fronds," varying in height from 3 to 6 feet. The underground stems contain a quantity of mucilage and starch, which, on being prepared by washing and pounding and mixed with meal, make bread in times of scarcity. Even in England attempts have been made to use it as food. Dr. Clark considered it a wholesome table vegetable when young and blanched like asparagus, but it is rather astringent. The fronds, in quite a young state, are eaten at times cooked as a potherb, and are juicy, though rather insipid.

### PTEROCARPUS.

639

Pterocarpus Marsupium, Roxb., Leguminos...

GUM KINO.

Vern.—Bija, bijasar, HIND.; Vengai, TAM.; Peddagi, TEL.; Beebla, asan, Bom.

A large tree of Central and South India, found in the forests of Ceylon and all parts of the Madras Peninsula, extending north to the Rajmehal hills in Behar. Often cultivated in gardens.

The leaves are the favorite food of cattle and goats, and are much in

demand.

Ptychotis Ajowan, DC.; also P. coptica, DC. See Carum copticum; Benth., Umbelliferæ.

#### PUERARIA.

640

Pueraria tuberosa, DC., Leguminosæ,

Syn.—Hedysarum tuberosum, Roxb.

Vern.—Siali, badar, billi, pona, HIND.; Dari, gumodi, TEL.

A climber in the tropical zone of the Western Himalaya, in the Western Gháts, and in Orissa. Produces during the hot season bright blue flowers, and pendulous, pointed, compressed legumes.

The roots are very large and tuberous. They are eaten, said to be

sweet, and are exported to the plains. (Stewart.)

#### PUNICA.

641

Punica Granatum, Linn., Lythrace E.

THE POMEGRANATE; GRENADES, Fr.; GRANATS, Ger.

Vern.—Anar, darim, Hind.; Dalim, Beng., Kumaun; Anar-kajhur, Dec., Mad-alaich-chedi, Tam.; Danimma-chettu, Tel.; Shajratur-rumman Arab.; Darakhte-nar, Pers.; Thalé, Burm.

A small tree cultivated in most parts of India and Burma; wild in the

north-western regions of the Himalaya and Sulaiman Range.

The fruit is peculiar, in its being composed of two whorls of carpels, one placed above the other, the lower consisting of 3 or 4 and the upper of from 5 to 10 carpels. The seeds also have a pellucid, pulpy coating. The

PYRUS.

642

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644

645

fruit is universally eaten and is much esteemed. It is of different qualities; and in the Lower Provinces of Bengal it is inferior to its congener of the North-West and hilly regions. The best kinds are produced still further west in Afghanistan, and large quantities of it are imported thence into most parts of India. The fruit, usually about as large as a full-sized apple, with a hard rind of a brown yellowish color, keeps for a long time. A pleasant cooling sherbet is made from the pulp, which is appreciated by all who have drank it, and is highly esteemed by certain classes of natives.

# PUTRANJIVA.

## Putranjiva Roxburghii, Wall., Euphorbiacem.

Syn.—Nageia Putranjiva, Roxb.

Vern.—Putájan, Pb.; Jia puta, joti-juti, vpútra-jíva, Hind.; Karupale, Tam.; Kadrajuvi, Tel.; Toukyap, Burm.

A moderate-sized, evergreen tree, with pendant branches; found in the sub-Himalayan tract from the Chenab eastward, in Oudh, Bengal, Burma, and South India; and chiefly distinguished by the fruit which is always one seeded.

The leaves are lopped for fodder.

### PYRULARIA.

# Pyrularia edulis, A. DC., SANTALACEE.

Vern.—Amphi, NEPAL; Saphyi, LEPCHA.

A small, thorny tree of Nepal, Sikkim and the Khásia hills. The fruit is eaten by the natives.

## PYRUS.

# Pyrus baccata, Linn., ROSACEE.

Vern.—Ban-mehal, gwálam, HIND.; Lin, liwar, lhijo, PB. HIMALAYA.

A small tree found in the Himalaya from the Indus to Bhutan, 6,000 to 10,000 feet in altitude, and on the Khásia hills 6,000 feet. Produces a small, very sour fruit, of a red or scarlet colour, with the true apple flavour.

Eaten by the natives of the tracts where it grows.

# P. communis, Linn.

THE COMMON PEAR.

Vern.—Naspati, nak, PB.; Tang, nak, sunkeint, naspate, PB. HILLS; Amrud, KASHMIR.

A small, thorny tree wild in Kashmir, and cultivated in the Himalaya. The fruit, which is the common pear, is generally hard, but not unpleasant to the taste, and is largely eaten, especially by the natives. Europeans generally make it into preserve or stew.

The liquor, known as Perry, is the fermented juice of pears.

### P. kumaoni, Dene.

Vern.—Doda, chitana, mahaul, ban-pala, gun, palos, PB.

Confined to the western regions of the Himalaya, from Kashmir to Kumaun.

Produces a small fruit of very indifferent taste. Eaten generally half rotten by the poorer natives.

#### QUERCUS.

647

Pyrus lanata, Don.

Vern.—Doda, maila, morphal, PB.; Galion, mauli, HIND.

A moderate-sized tree in the Himalaya, from the Indus to Bhutan.

Produces a large fruit, which is eaten half rotten by the natives.

648

P. Malus, Linn.

APPLE.

Vern.—Seo, HIND.; Shu, chunt, palu, seo, PB.; Kushu, LADAK; Shewa, AFG.

A tree apparently wild in the North-West and Punjab Himalaya and Western Tibet; cultivated in the Lower Himalaya, Punjab, Sind, and Central India. Produces a fruit which is indifferent in the plains, but improves in the Himalaya, and is very pleasant, especially when cultivated, though still inferior to the English and American Apple.

In Tibet and Afghanistan the fruit is really good, and large quantities are imported from the latter country into various parts of the Punjab. Recently attempts have been made with considerable success in introducing the English apple tree into parts of the Himalaya, such as Mussourie, Ranikhet, Simla, &c., and already the supply of fruit from this source is rapidly increasing in those parts.

The Maharaja of Kashmir some years ago made attempts at making cyder in his territories, but no marked results were apparently obtained.

649

P. Pashia, Ham.

Syn.-P. VARIOLOSA, Wall.

Vern.—Mehal, mol, HIND.; Passi, NEPAL; Lee, LEPCHA; Tang, keint, thindar, shegul, PB.

A moderate-sized tree of the outer Himalaya, from Kashmir to

Bhutan, also in the Khásia hills.

Sometimes cultivated in the Himalaya. The fruit is dark yellowbrown, scurfy, covered with raised white spots. It is eatable when overripe, and natives eat it in this state and when half rotten.

650

P. vestita, Wall.

Vern.—Maylull, guhor, NEPAL; Singka, BHUTIA.

A deciduous tree of the Eastern Himalaya, between 8,000 and 10,000 feet.

Fruit is edible.

# QUERCUS,

65I

Quercus dilitata, Lindl., Cupulifera.

Vern.—Ban, barachar, parungi, chora, maru, karsh, PB.; Moru, kilonj, timsha, N. W. P.

A large tree in the Sulaiman Range and north-west regions of the Himalaya, at 7,000 to 9,000 feet in altitude.

The leaves are severely lopped for fodder for sheep and goats.

652

Q. Ilex, Linn.

THE HOLLY-LEAVED OAK; THE EVERGREEN OF HOLM OAK.

Vern.—Charrei, serei, balút, AFG.; Chúr, keharsu, dú, yúru, heru, ban, PB.

A middle-sized tree or large bush, met with in Europe and on the Himalaya, and discovered by Dr. Watt as far east as Manipur.

The leaves without prickles are used for winter fodder, for which

purpose they are stored. The acorns are eaten in France.

	RANUN-
Outenant Income Poul	CULUS.
Quercus incana, Roxb. Vern.—Vari, rhin, rinj, ban, PB.	653
A large tree of the lower Himalayan ranges from the Indus to Nepal, the commonest of all the North West Himalayan Oaks.  The acorns are eaten by monkeys and bears.	•
Q. lanuginosa, Don.  Vern.—Ranj, rav-banj, Kumaun; Banga, Nepal.  A large tree apparently limited in its area of growth to Naini Tal and a few other places in Kumaun.  The leaves are used as fodder.	654
Q. semicarpifolia, Smith.  Vern—Barchar, kreu, karshu, sauj, PB.; Ghesi, kasru, NEPAL.  A large tree of Afghanistan and the Himalaya from the North-West; to Nepal and Bhutan.  The leaves of this are used as fodder, for which purpose they are also stored in winter.	655
RANDIA.	
Randia dumetorum, Lam., Rubiacek.  Vern.—Mainphal, manyúl, karhar, arar, Hind.; Mindla, mandkolla, Pb.; Maidal, amuki, Nepal.; Panji, Lepcha; Pativa, Uriya; Madu-karray, Tam.; Manda, Tel.; Kare, Kan.  A small, thorny shrub, common on the Himalaya, from the Chenab, eastward. Produces, like other species of this genus, highly fragrant flowers, and round, smooth berries, which when ripe are yellow, and contain a large quantity of a firm, fleshy pulp.  The fruit or berry is roasted and eaten by the natives.	656
R. uliginosa, DC., Rubiacer.  Syn.—Posoqueria Uliginosa, Roxb.  Vern.—Piralo, Beng.; Pindalu, panar, paniah, katul, Hind.; Maidal, Nepal.; Pendra, Uriya; Katil, pender, Gond; Kaurio, Panch Mehals; Nalaika, Tel.; Wagata, Tam.; Karé, Kan.; Panelra, pindra, Mar.; Mhaniben, Burm.  A small tree of the sub-Himalayan tracts, Oudh, Bengal, Central and South India, and Burma. Common in moist places; produces large, white, fragrant flowers generally in the beginning of the hot season.  The fruit, of the size and shape of a hen's egg, and olive-grey in colour, contains a large quantity of hard, dry pulp, which is eaten by the natives.	657
RANUNCULUS.	
Ranunculus sceleratus, Linn., RANUNCULACEE.  An herbaceous annual found on river banks in Bengal and Northern India, in marshes of Peshawar, and warm valleys of the Himalaya. It appears in the cold season and remains till the rains.  The inhabitants of Wallachia use it as a vegetable when boiled, a remarkable fact, when it is remembered that it is poisonous, and a powerful vesicant when uncooked.	658

REPTO-NIA.

## RAPHANUS.

659

Raphanus sativus, Linn., CRUCIFERE.

THE RADISH.

Vern .-- Mula, Beng.; Muli, HIND.; Mooluka, SANS.

An annual herb of the cabbage family, unknown in its wild state, but is cultivated, here and there, throughout the plains of India and in the hills up to 16,000 feet in the Himalaya. It is a cold weather crop in the plains, and grows nearly all the year round in the hills and mountains. There are several varieties grown in India: the large, long, pale-pink; the small, longish, pale-pink; and the small, round, bright red. The last is raised generally in gardens with selected seeds.

The two first are the more common and are universally eaten by all classes of natives, either in their natural state or cooked in curry. The second, when young and tender, and the last, are eaten by Europeans.

The plump and still young and green pods are used for pickling, alone or with other vegetables, and are regarded a fair substitute for capers.

There seems some difference of opinion as to the origin of this cultivated plant. Bentham thinks it may possibly have come from the British wild plant R. Raphanistrum, Linn.; others that its home is in China and India. The English radish is so utterly different from the coarse plant met with in India that it would seem as if the most natural explanation would be that the European Radish had been derived from R. Raphanistrum and the Indian species from an Indian and Chinese indigenous wild plant now apparently lost. The Indian radish is almost warm, temperate or tropical in its habit instead of temperate. It is often perennial and may be transplanted from one field to another, yielding its seed in the second year. The root grows to an enormous size, sometimes as large as a man's leg, rising partly above ground like a stem. It is pale red or white coloured without the pleasant pungency of the English plant. It is eaten cooked or raw, and the seeds yield an oil used in cooking.

Var.-Caudatus.

Vern.—Mugra.

This extraordinary form is cultivated in the Punjab and in Northern and Western India on account of its pods, which are used as a vegetable. The younger Linnæus is said to have obtained this plant from Java, but the vernacular name given by him "Mongri" so closely corresponds with the Hindustani name "Mugra," and this again with the other Indian names for the Radish proper as to point forcibly to the idea that if obtained from Java it was most probably originally an importation into Java from India. Mr. Baden-Powell in his Punjab Products, page 260, states that the seeds sell in the Punjab for Rs. 2 per seer, a price which shows how highly the plant is prized. He adds: "The natives have an idea that this plant is only R. sativus, subjected to a peculiar treatment, vis., by being taken up and having all its roots cut close round and then replanted." There seems little doubt of the origin of this plant from the same stock as the ordinary Indian radish, but the habit of removing the tap root as a vegetable and replanting the stock for the production of seed is quite common with the poorer classes. The rat-tail-like pods of Caudatus are eaten either boiled or pickled.

## REPTONIA.

66I

660

Reptonia buxifolia, A. DC., MYRSINEÆ.

Vern.-Gurgura, PB.; Garar, AFG.

The only species known of this genus is a small tree in the Salt Range and on the Trans-Indus hills.

The rounded, black edible drupes, of the size of marbles, are collected in April and eaten by the natives; but are very poor to European taste. The fruit is mainly occupied by the seed, which is not eaten.

RHIZO-PHORA.

662

### RHAMNUS.

# Rhamnus persicus, Boiss., Rhamneæ.

Buckthorn.

Vern. – Kukai, jalidar, kuchni, PB.

A shrub common in the Salt Range and the Trans-Indus tracts and in the temperate Himalaya.

Produces small, black fruit, said to be sweet, but to affect the head if eaten in excess. (Dr. Stewart.)

### RHAZYA.

# Rhazya stricta, Dine., Apocynacem.

Vern.—Sunwar, HIND.; Vena, gandera, PB.; Sehur, sewur, SIND.

A small shrub, abundant in the Trans-Indus tracts, and sparse in the Salt Range.

Its leaves, which are very bitter, are used for fodder for goats after steeping for some days. (Dr. Stewart.) In Sind the natives use them in the preparation of cool drinks in the hot weather.

### RHEUM.

# Rheum Emodi, Wall., Polygonacez.

TURKEY RHUBARB.

Vern.—Reuchini, BENG.; Dolu, HIND.; Chutial, pambash, atsu, artso, chukri, rawash, names in the Punjab Himalaya and in Afghanistan.

A shrub frequent in parts of the Punjab Himalaya.

The stalks are eaten by the natives either boiled with water, or in their natural state pounded and mixed with salt and pepper; they are also dried, stored and eaten with other food, and sometimes they are made into preserves.

A roisonous principle of greater or lesser intensity is said to pervade the whole of the germs, and many cattle—goats—are said to die yearly in Sikkim from eating the leaves of R. Cinabarinum. As bearing on food, it may be mentioned that the leaves of R. Arboreum, yield such a quantity of honey that the ground becomes wet under the plants.

## RHIZOPHORA

# Rhizophora mucronata, Lamk., Rhizophore E.

THE MANGROVE TREE.

Syn.-R. MANGLE, Linn.

Vern.—Bhara, Beng.; Kámo, SIND; Upoo-poma, Tel.; Byu, Burm.; *Bairada*, And.

A large shrub or tree generally met with in the tidal shores and creeks of rivers in India, Burma, and the Andaman Islands.

The fruit is said to be sweet and edible, and the juice to be made into a kind of light-wine. Salt is also extracted from its aerial roots.

663

664

#### RIBES.

## RHODODENDRON.

#### 666

# Rhododendron arboreum, Sm., ERICACEE.

Syn.-R. PUNICEUM, Roxb.

Vern.—Chán, ardáwal, mandál, chiu, bras, burans, PB.; Brus, Kumaun; Bhorans, lal-guras, Nepal; Etok, Bhutia, Lepcha; Billi, poomaram, Nilguris.

A tree, 25 feet high, of Nepal and the outer Himalaya, at 3,000 to 11,000 feet in altitude; the hills of Southern India, of Karenni in Burma, and Ceylon.

The flowers have a sweetish-sour taste, are commonly eaten by the hill tribes, and are made into preserve by the higher classes and Europeans.

## 667

# R. Nobile.

Vern. - Chuka.

Dr. Hooker, describes this plant as upwards of a yard high and forming conical towors of the most delicate straw-colored, shining, semi-transparent, concave imbricating bracts, the large, bright, glossy, shining, green radical leaves with red.

The natives eat the pleasantly acid stems.

## RHODOMYRTUS.

### 668

# Rhodomyrtus tomentosa, Wight., MYRTACEE.

HILL GOOSEBERRY.

Syn .- MYRTUS TOMENTOSA, Ait.

Vern.

A shrub much resembling the common myrtle, found in the higher mountains of South India.

Produces small, dark-purple berries which have fleshy, sweet, aromatic pulps, and are eaten when ripe either raw or made into a jam called "thaontz."

### RHUS.

#### 660

## Rhus semi-alata, Murray, Anacardiace.

Syn.—R. BUCKIAMELA, Roxb.; R. JAVANICA, Linn.; R. AMELA, Don.

Vern.—Tatri, titri, chechar, arkhar, arkol, kakri, dúdla, wánsh, hulashing, PB.; Rashtu, Sutlej; Dakhmila, daswila, N. W. P.; Bakkiamela, bhagmili, Nepal; Tukhril, Lepcha.

A small tree met with in the outer Himalaya from the Indus to Assam (up to 7,000 feet in altitude) and the Khási hills (up to 5,000 feet). Produces numerous, pale yellowish green flowers, and small drupes (the size of a pea) of a greenish white color or red when ripe.

The drupes, or berries, are covered with a small quantity of pulp which has a sharp, acid taste, and is eaten by the Nepalese and the Lepchas; and from it is prepared a wax called *Omlu* in Nepal. (*Gamble*.)

#### RIBES.

### 670

#### Ribes glaciale, Wall., SAXIFRAGACEE.

Vern. - Robhay, BHUTIA., Kukuluya, kalakalaya, HIND.

A small shrub in the Himalaya, from Kashmir to Bhutan. Yields a sour unpalatable fruit of no value. H. Strachey found it near Nabhi in Byáns where it is very abundant, and yields a fruit de-

RICINUS

scribed by him "as small and insipid." The flowers appear in May, and the fruit ripens in September-October. (Atkinson.)

Ribes Grossularia, Linn.

THE ROUGH OF HAIRY GOOSEBERRY.

Vern.—Pilsa, kansi, teila, LAHOUL.

A wild shrub frequently met with in the higher altitudes of the Himalaya, from Kumaun to Kashmir.

Produces a small, very sour fruit, hardly ever eaten even by the

The gooseberries cultivated in the plains of India are very palatable,

and are largely grown for consumption either raw or in preserves.

H. Strachey records having found it at Tala kuwa in Byans in September, and pronounces it worthless. The European cultivated varieties have been introduced, but do not thrive nor bear freely." (Atkin-

R. nigrum, Linn.

BLACK CURRANT.

Vern. – Papar, Kumaun; Muradh, nabar, mandri, beli, sháktekas, PB. Confined to the Himalayan tracts from Kunawar to Kashmir.

The fruit is very like the cultivated black currant, and very fair eating, (Dr. Stewart.) The flowers appear in July and the fruit ripens in August-September. Major Garstin states that the fruit is quite as large and as palatable as the cultivated variety. (Atkinson.)

By cultivation the fruit has been greatly improved; and is largely used as a cooling desert fruit as well as for tarts, preserves, wines, &c.

R. rubrum, Linn.

RED CURRANT.

Vern.—Niangha, LAHOUL; Dak, rade, aus, hadar, wara, wane, PB. Met with in the Himalaya from Kumaun to Kashmir, at 8,000 to 12,000

feet in altitude.

The fruit, according to Stewart, is acid and nearly worthless, but Aitchison calls it a sweetish acid. It might by cultivation be made as useful as the above, as it is in Europe.

### RICINUS.

Ricinus communis, Linn., Euphorbiace ...

CASTOR-OIL OF PALMA CHRISTI.

Vern .- Arend, rendi, reri, bhatreri, HIND.; Reri bherenda, BENG.; Eranda,

SANS.; Amadum, TEL; Kyetsu, BURM.

Grown almost everywhere in India, usually as a field border, commonly on the border of cotton and sugarcane fields, sometimes on isolated patches of a few square yards near dwelling-houses and used as a support for the creeping bean known as sim. But the areas are not as a rule large in any one province.

The oil expressed from the seeds is in certain places used for culinary purposes. The seeds are also put into curries. Its leaves are relished by cattle, and is said to be coming into repute as food for a spe-

cies of silkworm.

See OILS AND OILSEEDS.

67I

672

673

#### RUBUS.

## RODETIA.

## 675

# Rodetia Amherstiana, Moq., Amarantace E.

Vern.—Bilga, Koti.

A large, straggling shrub of the north-west regions of the Himalaya, also in Burma.

Produces bright crimson berries which are eaten by the natives. The natives also eat the young shoots fried in ghee.

### ROSA.

# 676

# Rosa macrophylla, Lindl., Rosace E.

Vern.—Gulab, ban-gulab, HIND.; Tikjik, akhiari, breri, PB.

A thorny, pink-flowered shrub, common in the Himalaya from the Indus to Sikkim.

The fruit is said to be eaten.

Note.—Rose water is largely drunk by the natives of Calcutta in ordinary water and also in ærated water, made in large qualities from other species chiefly as perfumery.

## 677

# R. Webbiana, Wall.

Vern.—Kantian, shawali, Pb.; Chua, LAHOUL; Sia, LADAK, SPITI.

An erect, pink-flowered shrub of the arid tracts of the inner Himalaya

The fruit is eaten.

# ROSMARINUS.

## 678

# Rosmarinus officinalis, Linn, LABIATER.

Rosemary

Vern.—Ukleel-ul-jilbul, hasalban-achsır, ARAB.

A native of South Europe and of Asia Minor.

Cultivated chiefly as a perfume; it is also used as a conserve, and liqueur is made from it. Mentioned by Birdwood in the list of Spices and Condiments.

### RUBIA.

### 679

# Rubia tinctorum, Linn., Rubiaceæ.

THE EUROPEAN MADDER.

Diagnostic characters.—Leaves subsessile, 4 to 6 in a whorl, elliptic or lanceolate, penni-nerved; 2-4 by 1-11 in., acuminate, margins and nerves beneath prickly.

Cultivated in Kashmir, Sind (Flora of British India), and distributed wild or cultivated to Afghanistan and westward to Spain.

This plant will be found noticed more fully in the section relating to "Dyrs," Here it may be noted that the leaves and herbage are used in some parts of Sind as fodder for camels and other animals.

## RUBUS.

## 680

### Rubus biflorus, Ham., Rosacem.

Vern .- Akhreri, kantauch, karer, akhe, dher, PB.

A strong, rambling shrub of the temperate Himalaya, from Sirmur to Bhutan, in altitude 7,000 to 9,000 feet.

RUBUS. Produces white flowers, and roundish, succulent fruit of a golden yellow colour. Rubus ellipticus, Smith. 681 Syn.—R. FLAVUS, Ham.; R. ROTUNDIFOLIUS, Wall. Vern.—Akhi, kunachi, guracha, pukana, PB.; Esar, hisalu, Kumaun; Escali, NEPAL; Kashgem, LEPCHA. A tall bush of temperate and sub-tropical Himalaya, from Sirmur, altitude 2,000 to 17,000 feet, to Sikkim, altitude 4,000 to 7,000 feet, and Bhutan; also in Khásia Hills, altitude 4,000 to 5,000 feet, Burma, Western Gháts and Ceylon. "The fruit is yellow and with the flavour of the raspberry; it is commonly eaten and made into preserves in the Himalaya, and is certainly one of the best of the wild fruits of India." (Gamble.) R. fruticosus, Linn. 682 THE BLACKBERRY OF BRAMBLE. Vern.—Ankri, alish, kanachi, chench, pakhána, PB. A shrub with arched stems, in the temperate regions of the Himalaya from Murree to Jamu. Produces pink flowers, and many small, black, fleshy fruits. They are edible. R. Idæns. 683 THE RASPBERRY. This cane-stemmed shrub of the Rose family is a native of Britain and most parts of temperate Europe, and is also found in the Sikkim Himalaya, The natives eat the fruit in its wild state; and Europeans cultivate it in gardens as a dessert fruit and for jams, jellies, cooling drink and raspberry vinegar. The fruit thus used consists of numerous little achenia embedded in pulp and forming a compound fruit. R. lasiocarpus, Smith. 684 Vern.—Gunacha, tulouch, stin, galka, PB.; Kalawar, kala-hisalu, Kumaun: Kandiari, kharmuch, KASHMIR; Kala, aselu, NBPAL; Kajutalam, A large, rambling, very variable plant in the Himalaya (temperate zone) from Murree to Sikkim, also in the Khási Hills, southern tracts of the Western Gháts (high zone), and Burma. Comprises several varieties. The flowers are generally deep pink; the fruits are numerous, dry or fleshy, of a red or orange colour. Gamble says that the fruit has a glaucous, blue-black color, is small, and of good flavour. R. lineatus, Reinw. 685 Var. 1.—Angustifolia, " 2.-Glabrior. Vern. - Gempe aselu, NEPAL. A strong, sub-erect herb of the Sikkim Himalaya. Fruit red and edible. R. moluccanus, Linn. 686 Vern .- Bipemkanta, NEPAL.; Sufok-ji, LEPCHA. A wide-spreading plant common in many parts in the north-east Himalaya, Assam and Khási Hills, South India and Burma. Produces red edible fruits.

#### RUMEX.

687

## Rubus niveus, Wall.

Vern.—Kalga, Sutlej.

A large, rambling bush along the Himalaya in the temperate Himalaya, from Kashmir to Bhutan at elevation of 6,000 to 10,000 feet in the west and 5,000 to 11,500 feet in the east. There are apparently many varieties.

Fruit large or small, roundish, dry or fleshy.

688

## R. nutans, Wall.

Vern.-?

A thin bush met with in Garhwal and Kumaun, at 8,000 to 10,000 feet in altitude.

Produces fruit of few scarlet drupes.

680

# R. paniculatus, Smith.

Syn. -R. TILIACEUS, Sm.

Vern.—Kala-akhi, KANGRA; Anchu, kala hisalu, HIND.; Numing rik, LEPCHA.

A very rambling climber common in the temperate Himalaya from Rajaori to Sikkim, also in the Khásia Hills.

Produces white flowers, and many large, round, black drupes. Stewart says the fruit is not much prized.

600

### R. purpureus, Bunge.

Found in the western temperate zone of the Himalaya and the Tibetan region.

Produces round red fruit.

601

# R. rosæfolius, Smith.

A small shrub found in the Himalaya from Kumaun to Sikkim, in the Khásia Hills and in the hills of Burma.

Has a large, red, edible fruit, which is sold in the bazar in Darjeeling.

### RUMEX.

692

# Rumex hastatus, Don., Polygonacem.

Vern.-Khetimal, ami, amla, amlora, PB.

A shrub or under-shrub, common in the north-western regions of the Himalayan tracts, 2,500 to 9,000 feet in altitude.

The leaves have a pleasant acid taste, and are eaten raw as Sorrel.

693

## R. vesicarius, Linn.

SOPPET

Vern. – Chúka pálah, chuka-palang, N. W. P.; Kata-mita, saluni, triwaka, PB.

Common in the Trans-Indus and Salt Range tracts of the Punjab, up to 3,000 feet in altitude.

It has a more pleasant taste than the last, and is eaten raw and also

as a pot-herb.

# Rumex Wallichii, Meisn.

Syn,-R. Acutus, Roxb.

Vern.—Bun-palung, BENG.; Jool-palum, HIND.; Jungli-palak, sagukei obul, hula, PB.

Common in many places throughout North India on the plains, and in the hills up to 12,000 feet in altitude.

The leaves are used as a pot-herb, and are reckoned cooling.

### SACCHARUM.

## Saccharum canaliculatum, Roxb., GRAMINE B.

Vern.-Kans, HIND., BENG.

A perennial, stately grass from 8 to 12 feet in height; the culms are about as thick as a common ratan, filled with pith; the leaves are from 5 to 7 feet long, semi-cylindric, not thicker than a pack-thread. Found in Bengal, North-West Provinces and Oudh, and in the Himalayas. In Bengal Roxburgh says it is found in most thickets where the soil is rich, and flowers in August and September.

As a material for paper-making it deserves attention. Browsed by cattle (?)

S. fuscum, Roxb.

Syn.—ERIOCHRYS S FUSCA, Trin.

Vern .- Kilut or tilluk, HIND.; Khuri or patee-khori, BENG.

This is smaller than the preceding grass, being 5 to 8 feet high, as thick as the little finger; the leaves are about 3 or 4 feet long and 2 inches broad. Inhabits damp places over Bengal, stretches along the banks of the Ganges, and is met within Kashmir up to 3,000 feet. In Bengal it flowers during the rainy season.

The natives make their pens of the culms of this and other species, and use it for screens and light fences. (Roxb.)

Browsed by cattle when young and tender (?)

# S. officinarum, Linn.

THE SUGARCANE.

Vern. — Ikh, ikhari, ukh, ukhari, N. W. P. and Oudh; Nai-shakar, Pers.; Ik, ik, ak, kishiar, also poori and kullooa (the pale varieties), kajooli (the red), Beng.; Ikshu, rusala (the pale), poondra, kanguruku (the red), Sans.; Cherukoo-bodi, Tel.

A strong cane-stemmed grass from 8 to 12 feet high producing a large feathery plume of flowers, found wild and cultivated throughout tropical and sub-tropical Asia, and the Islands of the Indian and Pacific Oceans. It is cultivated for its sugar, which is its expressed juice and which by boiling by other processes and becomes crystalised as brown sugar. On being refined it is frequently moulded into loaf or lump sugar. The uncrystalised is call gurh, treacle, or molasses. From the scum and rough portions of the latter, rum is manufactured by distillation. The sugar is probably the sweet cane of Jeremiah, VI. 20.

There are several varieties of sugarcane cultivated in India, some being grown entirely for the manufacture of sugar, others for eating raw. The latter are, as a rule, thicker, softer, and more juicy than the former.

SACCHA-RUM.

694

695

606

### SACCHA-RUM.

The total area under sugarcane in India is estimated to be approximately acres, of which the Punjab owns acres, the North-West Provinces and Oudh 950,000 acres, Bengal acres, Central Provinces acres, the remaining provinces (Madras, Bombay, Berar, Assam) aggregating acres.

It has been estimated that in 1876 about 2,140,000 tons of sugar had been manufactured from the sugar-cane all over the world. As the cultivation of the cane extends westwards from India and China, its native place, the exports from India naturally diminishes, as represented by the figures  $\pounds$ 948,582 in 1854,  $\pounds$ 716,857 in 1864, and  $\pounds$ 281,743 in 1874.

The sugar-cane season comprises nearly a twelvemonth. The land chosen is usually a good loam or light clay, manured. The leafy ends of the preceding season's canes are cut off or the whole cane is chopped into pieces so as in any case to include two nodes or joints, and these, to the number of about 20,000 per acre, are planted in furrows in January and February. The land is irrigated occasionally from this time to the commencement of the rains. The harvest begins in the beginning of December, and the cutting and crushing of the canes and boiling of the juice are carried on till January and February. Excepting the few mills under European management the crushing and boiling are performed by primitive and therefore rude processes. The average outturn per cent of cane in the North-West Provinces is stated by Messrs. Duthie and Fuller to be as follows: 100 of canes=50 of juice=18.00 of gurh + 17.50 f shukr, + 19.50 f rab; the rab gives 13 putri + 6.5 shira; the shira gives 6.5 chini + 6.5 shira.

The average cost of growing an acre of cane in the North-West Provinces is stated to be Rs. 62-13; the average outturn of gurh per acre is about 30 maunds and costs Rs. 1-6 per maund.

The following statistics of the trade in sugar are taken from the Reports on the inland trade of the different provinces and on the trade by sea.

The Punjab received from other Indian Provinces in 1881-82, refined sugar 2,29,355 maunds and unrefined 10,18,158 maunds. The supplies came chiefly from the North-West Provinces and Oudh (refined 1,08,001 maunds, unrefined 967,791 maunds) and in smaller quantities from Sindh. The Punjab exported to other Indian Provinces, refined sugar 22,161 maunds and unrefined 2,53,990 maunds; the bulk of the exports went to Rajputana and a small proportion to Sindh.

The North-West Provinces and Oudh received of refined sugar 1,85,522 maunds and of unrefined 2,20,026 maunds in 1882-83; the bulk of the supplies came from Bengal exclusive of Calcutta (refined 1,63,474 maunds, unrefined 1,93,324 maunds), with small quantities from various other parts, in the case of refined sugar chiefly from Bombay port (10,696 maunds) and of unrefined from Calcutta (11,124 maunds). The North-West Provinces and Oudh exported of refined sugar 268,726 maunds and of unrefined 23,78,081 maunds. The exports went chiefly—

		Refined, in Mds.	Unrefined, in Mds.
To Rajputana ,, Punjab (including Delhi City) ,, Central Provinces ,, Southern India	:	1,09,501 7 <sup>1</sup> ,444 24,401 41,649	9,76,385 9,86,082 2,12,145 1,94,362

with much smaller quantities to Bengal, to Calcutta and to Bombay port,

SACCHA-RUM.

Bengal receives\* very little sugar from other provinces, the total of refined in 1881-82 being only 8,576 maunds and of unrefined 4,378 maunds, and these came almost wholly from the North-West Provinces. The exports of sugar from Bengal on the other hand were considerable, thus—

		•				Refined, in Mds.	Unrefined, in Mds.	Of which from Calcutta, refined and unrefined, in Mds.
To North-West F		2000	and (	\dh		1,60,914	85,911	12,618
Cantal Dani		iices	And (	Juua	•	33,206	98,341	
" Pombou		•	•	•	• 1		1,08,651	402
	•	•	•	•	•	4,977		72
,, Rajputana	•	•	•	•	•	12,455	89,514	б,510
"Punjab	•	•	•	•	•	10,321	12,357	5,535
" Assam	•	•	•	•	•	11,272	2,643	•••
						2,33,145	3,97,417	25,137

For the other provinces trustworthy figures of the inland trade are not available.

By sea to other countries, India exports the following quantities of sugar:—

Pres	sidenc	y fro	m wh	Refined or crystallised sugar, Cwts.	Unrefined sugar, vis., molasses or gur, Cwts.				
Bengal Bombay Sindh Madras British Bu	•	:	:		•	:		85,952 11,992 26 13,290	79,445 6,356 463 1,119,930
		T	OTAL	Tot		ls		111,274	1,207,424 67,86,428

The exports have largely increased during the past five years as the following figures for 1878-79 will show:—

							Cwts.	Rs.
Refined sugar Unrefined sugar	:	:	:	:	•	•	51,043 228,713	. 6,96,792 13,46,808

<sup>\*</sup> Figures are those of 1881-82, hence probably discrepancy in exports to North-West Provinces and Oudh, as compared with the imports into those Provinces from Bengal.

#### SACCHA-RUM.

The exports proceed to the following countries (the figures are those of 1882-83):-

Country to wh	ich expo	Refined sugar, Cwts.	Unrefined sugar, Cwts.			
United Kingdom Egypt Ceylon Arabia Other countries (Australia, Aden, Sian	ralia, Fr	y in .	, Per Asia,	sia, &c.)	78,724  14,827 10,264 7,459	1,053,276 132,692 9,210 6,884 5,362

# **69**3

## Saccharum procerum, Roxb.

Vern .- Teng, BENG.

A perennial grass from 10 to 20 feet high, erect; culms straight filled with insipid pith; leaves 3 to 5 feet long, tapering to a long fine point; sheaths bearded round the mouth. Native of Bengal, also found in Kangra and Kheree Pass.

Roxburgh says it is by far the most beautiful of the genus he met with, and that it comes nearest in appearance to S. officinarum, but is taller and much more elegant. "The seeds or culms," he adds, "are long, strong and straight, and employed by the natives for screens, and various other economical purposes.

# 600

## S. Sara, Roxb.

Vern.—Sara, shur, BENG.; Sarpat, sara, munj sarkar, shur, Hind.; Gundra, shura, Tel. and Sans.

A grass common in the plains of the North-West Provinces and Punjab 8 to 12 feet high; leaves flat, narrow, 4 to 8 feet long; culms perennial, erect, from 6 to 16 feet high, thick as the little finger, strong; sheaths from 12 to 18 inches long; flowers late in the rainy season.

It is stated that the tops, just before flowering, form a good fodder for milk, and that in South Punjab the delicate pith contained in the upper part of the stem is eaten by the poor.

# 700

# S. spontaneum, Linn.

Vern. -- Kash, Beng.; Kans, kagara, kosa, hus, Hind.; Rellu-gaddi, Tel.; Khan, kahu, Sind.; Kahi, kans, Pb.; Kasha, Sans.

Common in Bengal, the sub-Himalayan tract and Bundelkhand.

Roxburgh says this grass "grows on the banks of rivers, in hedges, moist, uncultivated land; in a good soil it is frequently from 10 to 15 feet and on high, in a poorer soil from 5 to 10." Duthie describes it as "a troublesome grass and difficult to eradicate on account of its deeply penetrating roots." The culms are annual, erect, leafy, round; leaves sheathing, remarkably long and narrow but firm.

This grass is so coarse that cattle do not eat it; it is, however, given when young as fodder to buffaloes. It is used for thatching and matting; the culms serve to make the native pens.

In Bundelkhand it has encroached upon large areas of arable land, and persistent efforts have recently been made with some success by the Provincial Department of Agriculture to eradicate it and reclaim the land.

SALIX.

SACCOPETALUM. Saccopetalum tomentosum, Hook. f. & T. T., Anonacem. 70I Syn.—Uvaria tomentosa, Willd. Vern. - Karna, karri, HIND.; Hoom, Bom.; Chilkadudu, TEL.; Thoska, A large tree in Oudh and Gorakhpur, Behar, Central India and the Western Gháts. Blossoms during the hot season and produces oval berries. The leaves are used as fodder. SAGERETIA. Sageretia Brandrethiana, Aitch., RHAMNEE. 702 Vern.—Ganger, goher, PB.; Maimuna, AFG. A scrubby shrub abundant in the Sulaiman and Salt Ranges, and occurs in the extreme north-west parts of the Himalaya. Produces a small black fruit, of the size of a small pea, sweet, and pleasant eating when fresh; it is well known in the bazars of Peshawar and Afghanistan, and is much eaten by Afghans and by the natives of the frontier districts. S. oppositifolia, Brongn. 703 Vern.—Kanak, gidardak, drange, girthan, PB.; Aglaia, KUMAUN. A large shrub in the north-western parts of the Himalaya, from Peshawar to Nepal, also in Southern India from Konkan southwards. Produces a small, black, succulent, sweetish fruit, which is eaten by the natives. S. theezans, Brongn. THE TIA OF THE CHINESE. 704 Vern.—Drangie, ankol, karur, phomphli, kanda, brinkol, katrain, thum, PB.; Dargola, SIMLA. A shrub of the Salt and Sulaiman Ranges (altitude 2,000 to 8,000 feet) and of Western Himalaya from Kashmir to Simla (altitude 3,000 to 8,000 The fruit is small, round, dark-brown, sweet and succulent, and is extensively eaten. The leaves are said to be used as a substitute for tea. SALIX. Salix alba, Linn., SALICINEE. THE WHITE OF HUNTINGDON WILLOW. 705 Vern.—Bis, yúr, changma, málchang, kharwala, PB. A large tree cultivated in the Western Himalaya. Useful timber from which cricket bats are made. The branches are severely lopped, and used as fodder. The young shoots and bark of the larger trees are removed by hand and used as fodder. S. daphnoides, Vill. 706 Vern.—Bed, bidái, betsa, bashal, PB.; Yár, KASHMIR; Changma, WEST Tiret; Richang, Lahoul. A shrub of the North-West Himalaya, both on the outer ranges and in the inner arid tract. (Gamble.)

The branches and leaves are used for cattle fodder.

### SALVA-DORA.

707

Salix elegans, Wall, Koch.

THE WEEPING WILLOW.

Syn.—S. BABYLONICA.

Vern.—Bail, bhains, SIMLA.

A small shrub of the Himalaya from Lahoul to Nepal, in altitudes ranging from 1,500 to 7,000 feet.

The leaves and twigs are used for fodder for cattle and goats.

708

S. tetrasperma, Roxb.

Vern.—Pani-jama, Beng.; Baishi, bed, bent, Hind.; Burun, Sans.; Laila, bains, bilsa, N. W. P. and Oudh; Bis, bitsa, bidu, bakshel, safedar, badha, PB.; Bhi, Ass.; Bhesh, Garo; Walunj, bacha, Bom.; Niranji, KAN.; Momakha, Burm.

A middle-sized tree on river banks and moist places throughout India, ascending the Himalayan valleys up to 6,000 feet.

The leaves are lopped and given to cattle as fodder.

### SALSOLA.

Salsola indica, Willd. See Suceda indica, Moq., Chenopodace E.

### SALVADORA.

709

Salvadora oleoides, Linn., Salvadorace E.

Vern.—Kabbar, jhar, diar, jal, vani jhal, ughai, koku, HIND., PB., TAM.; Pilu, MAR.

A large, evergreen shrub of the Punjab and Sindh, often forming the greater part of the vegetation of the desert, and ascending the Trans-Indus hills and Salt Range to 3,000 to 24,000 feet in altitude. Flowers in April and its fruit ripens at the beginning of the hot weather. The fruit "is sweetish and is largely eaten by the natives, large numbers of whom go out to collect it in the season; and so much do they depend on it that Coldstream states that a bad crop is reckoned as a calamity \* \* \* and that in Mozaffurgarh the fruit is often dried for future use, and has then much the appearance and flavour of currants." (Dr. Stewart.)

The leaves serve as fodder for camels.

710

S. persica, Garcin.

Syn.—S. INDICA, Wight; S. WIGHTIANA, Planch.; CISSUS ARBOREA, Forsk.; EMBELIA GROSSULARIA, Rets.

Vern. - Jit, kauri van, kaurijal, choti van, PB.; Jal, N. W. P.; Kabar, khoridjhar, SIND.; Pedda-warago-wenki, Tel.; Opa, ughai, TAM.

A small thick-stemmed, soft, wooded tree, wild in many of the drier parts of India, e.g., Punjab, Sind, Rajputana, North-Western Provinces, Guzerat, Konkan, and the Circars. Produces flowers and very small black red juicy currant-like berries, having a strong aromatic smell, and pungent taste like mustard or garden cresses.

The shoots and leaves are pungent, and are eaten as salad and

given as fodder to camels.

	•
	SCHLE
SALVIA.	
Salvia Moorcroftiana, Wall., Labiata.  Vern.—Káli jarri, sholri, thut, halu, gurgumna, laphra, papra, Pb.  Common in the North-west Punjab plains Salt Range, and Himalaya up to 9,000 feet.  The stalks are in some parts peeled and eaten, and have a mawkish sweet taste.	711
S. pumila, Benth.  Vern.—Tukhm malanga, PB.  A small plant common in western Punjab.  Browsed by goats and sheep.	712
SAPINDUS.	
Sapindus attenuatus, Wall, SAPINDACEÆ.  Vern.—Lal koi-pura, SYLHET; Sir-hutungchir, LEPCHA; Achatta, NEPAL.  A shrub of Eastern Himalaya and Assam, extending to Eastern Bengal. Produces small red flowers, and red or dark purple fruit of the size of an olive.  The fruit is eaten by the natives in Sylhet.	713
S. Mukorrossi, Gaertn.  Vern.—Ritha, dodan, hanmar, Hind.; Ritha, Beng.  Cultivated throughout North-West India and Bengal.  The only part of this saponaceous tree which can be noted under the section of "Food" are the leaves, which are given to cattle as fodder.	714
SAURAUJA.	
Saurauja napaulensis, DC., TERNSTRŒMIACEÆ.  Vern.—Gogina, gogonda, HIND.; Gogen, NEPAL; Kasur, LEPCHA.  A moderate-sized tree of the Himalaya from Bhutan to Garhwal, also in the temperate Khásia Hills. Produces pink flowers, and green, mealy inside, sweet, edible fruit.  The leaves are lopped for cattle fodder.	715
SCHLEICHERA:	
Schleichera trijuga, Willd, Sapindace E.  The Lac Tree of Koosumbia.  Vern.—Kosum, gausam, Hind.; Kúsinb, Bom.; Rusam, Uriya; Pává, pú, púlachi, solim-buriki, Tam.; Pusku, may, roatanga, Tel.; Gyoben, Burm.; Cong, conghas, Cingh.  A large, deciduous tree of the sub-Himalayan tract, from the Sutlej eastward, Central and South India, and Burma. Flowers in February and ripens its fruit in May,  The fruit contains a whitish pulp which is of a pleasant sub-acid taste, is much liked during the hot, dry weather, and is often eaten by the natives.	716

### SEMECAR-PUS.

### SCIRPUS.

717

Scirpus Kysoor, Roxb., CYPERACEE.

Vern.—Kasurio, HIND.; Kesur, kesuri, BENG.; Kaseruka, SANS.; Kaseru, dila, PB.

A weed common on the borders of lakes and ponds of fresh water in Bengal; grows in Northern India.

The tuberous roots are eaten raw by the natives. Dr. Stewart, in his *Punjab Plants*, mentions S. maritimus, *Linn*, as common in marshes and when fresh a fair forage.

### SCOPOLIA.

Scopolia præalta, Dunal, See Physochlaina præalta, Hook. f. SOLANACEE.

### SCUTELLARIA.

718

Scutellaria linearis, Benth., LABIATE.

Vern.-Mastiara, PB.

Not uncommon in the Salt Range and Jhelam basin to 4,000 feet. In the Salt Range the plant is eaten, although very bitter.

### SECURINEGA.

719

Securinega Leucopyrus, Müll-Arg., Euphorbiace E.

Vern.—Hartho, aindha, N.-W. P.; Kakun, rethei, PB.; Pera pastawane, Afg.; Kiran, Sind.; Challa mantu, C. P.; Achal, Nepal.

A large shrub or small tree of the outer Himalaya, ascending to 5,000 feet throughout India and Burma.

The fruit is eaten.

720

S. obovata, Müll.

Syn.—PHYLLANTHUS RETUSUS & VIROSUS, Roxb.; CICCA OBOVATA, Kurs. Vern.—Dalme, dhani, ghari, gwala, darim, HIND.; Ihtibi, LEPCHA; Kodarsi Mar.; Korchi, Gond; Yae-chinya, Burm.

A small tree of the Sulaiman range and outer and sub-Himalayan tracts, extending to Eastern Bengal, Central and South India, and Burma.

Produces small round, pure white, smooth, succulent berries in abundance.

Edible?

## SEMECARPUS.

721

Semecarpus Anacardium, Linn. f., Anacardiace.

THE MARKING-NUT TREE.

Vern.—Bhéla bhilawa, bheyla, HIND.; Bhela, bhelatuki, BENG.; Shaing,

TAM.; Firi, nela-jedi, TEL.; Chyai beng, BURM.
Sub-Himalayan tract from the Sutlej eastward to Assam and Chitta-

gong, but not to Burma; ascending 3,500 feet. Produces dull greenish yellow flowers from May to August, and ripens in January and February. The yellow fleshy cup which surrounds the seed is roasted in ashes, and

eaten by the natives.

The seeds, called Malacca-beans or Marsh-nuts, are also eaten. They are supposed to stimulate the mental powers and especially the memory.

SESBA-NIA.

## SESAMUM.

Sesamum indicum, Linn., Pedaline E.

GINGELLY OF SESAME OIL; BENNE OIL, HUILE DE SESAME, Fr; SESAMOL, Ger.

Vern.—Mithá tél, krishna-tél, HIND.; Tél, tili, BENG.; Tila, SANS.; Róghane kunjad, Pers.; Duhn, Arab.; Gingili, South Ind.; Nal lenney, yelloo-cheddie, Tam.; Manchi-núne noovooloo, Tel.; Bárík-tél, Dec.; Hnan

This annual herb is commonly cultivated in India (where it is indige-

nous) in nearly every tropical country.

"There are two varieties, the black-seeded and the white-seeded; the former being generally known as til, and the latter as tili. Til ripens rather later than tili, and is more commonly grown mixed with high crops such as juar, while tili does best when mixed with cotton. Tili oil is preferred of the two for human consumption." (Messrs. Duthie and Fuller.)

The oil is extracted by simple pressure in a wooden mill of a very primitive kind, worked by a bullock which is driven by a man or boy seated on

the revolving beam.

Tili oil is not only used for human consumption as other oil, but is also employed in sweetmeat making and in adulterating ghi, also occasionally for lighting, and for anointing the body. For this last purpose it is sometimes scented by keeping the seeds between alternate layers of strongscented flowers, before the oil is pressed out : in its scented state the oil is called phulel and fetches Rs. 160 per maund. The seeds are also made into sweetmeats which are eaten by the natives.

The oil bears a strong resemblance to olive oil; and for it it is fre-

quently substituted, and with it it is frequently adulterated.

The oil cake (or residue remaining after the oil is extracted) is used as cattle food, and in some parts of the country it is much prized as such. In times of drought and scarcity it is even used as human food by the poorer classes.

The figures available for the areas under til and tili cultivation are very incomplete, and no distinction is made in the returns between the two varieties, both being reported under the name of til in North, and

gingelly in South India.

In the North-Western Provinces til is grown as a sole crop in the districts lying under the Himalayas, where its area is annually about 6,310 acres, and in the districts of Bundelkhand where the area is 148,100 acres. In the other parts of the Provinces it is almost universally grown to a greater or less extent in fields of juar, bajra and cotton, more in the

western than in eastern parts.

The sowing is performed at the commencement of the rains, generally in light soil (in Bundelkhand the light yellowish soil); the seed is sown broadcast when mixed with other crops, otherwise in parallel lines. crop is liable to damages from ill-timed rain; the outturn in the North-Western Provinces varies from 25 to 60 seers of seed to the acre when the crop is sown with juar or cotton, to 4 to 6 maunds when grown alone.

The dry stocks, after the harvest, are used for fuel.

### SESBANIA.

Sesbania ægyptiaca, Pers., Leguminosæ.

Syn.-ÆSCHYNOMENE SESBAN, Linn.

Vern.—Jait, jhinjan, janjhan, Hind.; Jayanti, Beng.; Saori, Berar; Shewar, DEC .; Suiminta, TEL .; Yaythagyee, BURM.

A soft-wooded shrub of short duration cultivated in many parts of the

722

#### SETARIA.

plains of India from the Himalayas to Ceylon, and in Burma. Produces pale yellow flowers, more or less tinged with deep-red, and long, weak legumes or pods.

The leaves and branches are lopped for cattle fodder.

## 724 | Sesbania grandiflora, Pers.

Syn.—ÆSCHYNOMENE GRANDIFLORA, Roxb.; AGATI GRANDIFLORA, Desv. Vern.—Basna, HIND.; Buka, bak, Beng.; Agati, Tam.; Avisi, Tel.; Poukhan, Burm.

A short-lived, soft-wooded tree, cultivated in South India, Burma, and in the Ganges Doab (Gamble), generally near villages. Produces large, handsome, pink, or white flowers, tinged with red, and long narrow pods. The leaves, flowers, and tender pods are eaten in curry by all classes

of natives. Cattle also eat the leaves and tender parts.

### SETARIA.

## 725

Setaria glauca, Beauv., GRAMINE E.

Syn.—Panicum Glaucum, Linn.

Vern.-Bhandra, bhandri, dissi, N. W. P. & PB.

Very common both in the plains and on the hills. Very variable as to the size of the spikes and their colour; a small variety is common on dry ground.

# 726

S. italica, Kunth.

GERMAN OR ITALIAN MILLET.

Syn. - PANICUM ITALICUM, Linn.

Vern.—Kakun, kangri, kauni, tangan, kukni, N. W. P. and Oudh; Kungu, Sans.

China, Japan, and the Indian Archipelago are mentioned as probably the countries in which this plant originated and whence it spread. (De-Candolle.) Duthie says it is supposed to have originated in India and New Holland.

It alias millet is extensively cultivated in India both in the plains and on the hills up to 6,500 feet. It is sown in the North-Western Provinces and Oudh on good village lands at the commencement of the rains to an extent which is reported to be over 14,000 acres, and is reaped in September with an outturn of 3½ to 5 maunds of seed per acre. A second crop may be had from the same ground between September and the end of January. It is, however, more commonly grown as a subordinate crop than by itself. When thus understood the above-stated area is much below the truth. In the Punjab it is found wild or cultivated in parts of the Himalayan region.

There are two varieties—one straw yellow and the other reddish

yellow.

The grain is much esteemed as an article of human food in some parts of the country and is eaten in the form of cakes and porridge in the North-West Provinces. In the Madras Presidency it is valued as an excellent material for making pastry. At Chenab the leaves are used as a pot-herb. Boiled with milk, it forms a light and pleasant meal for invalids. The Brahmins specially esteem it. It is also grown as food for cage birds, and for feeding poultry in the Punjab and North-West Provinces.

When ripe the ears only are plucked, the straw being afterwards cut for fodder. As fodder the straw is not very nourishing: it is given to goats in parts of the Punjab Himalaya.

F----

SKIMMIA. Setaria verticillata, Beauv. 727 Syn .- PANICUM VERTICILLATA, Linn. Vern. - Kootta chirchitta, burdunni, N. W. P.; Dora-byara, HIND.; Chick-Found on the plains and hills of the Punjab and North-West Provinces, and ascends the Himalaya up to 6,500 feet in Naini Tal; also found in Nepal. Delights in a rich soil in out of the way corners where there is rubbish. (Roxburgh.) Cattle eat it when young, that is, before the flower spikes are formed; the seeds are eaten by small birds. (Duthie.) SHOREA. 728 Shorea robusta, Gærin., Dipterocarpeæ. THE SAL TREE. Vern.—Sál, sála, sálwa, sákhu, HIND.; Sákwa, NEPAL; Teturl, LEPCHA; Bolsal, GARO; Koroh, OUDH; Sarei, rinjal, C. P.; Gugál, Tel. A tall, sparsely-branched, deciduous tree, often so crowded and gregarious as to have long, straight stems, growing to a height of 100 feet, with only a terminal tuft of branches. One of the most valuable timber trees of India. The seed ripens at the commencement of the rains, and is the means of reproduction. Sonthals, however, especially in times of scarcity, collect the seed and eat it, by roasting it and mixing it with the flowers of the Mahua tree (Bassia latifolia); which see. SIDEROXYLON. Sideroxylon tomentosum, Roxb., Sapotace E. 729 Syn.—S. ELONGGIDES, Bedd. Vern .- Pala, TAM. A tree common in the Western Ghats from the Konkan southwards. The fruit is made into pickles and curries. Sinapis juncea, Linn. See Brassica juncea, H. F. & T., CRUCIFERE. Sinapis ramosa, Roxb. See Brassica juncea. SIZYGIUM. Sizygium jambolanum, DC., Myrtaceæ. 730 Vern.—Jaman, jam, jámun, HIND; Kálájam, BENG.; Chambu, GARO.; Jamu, ASS.; Uaval, naya, TAM.; Nasodu, nairuri, Tel.; Jambool, Bom.; Thab-gai-pyoo, Burm. A tree found wild or in cultivation all over India. The fruit is astringent, but is eaten by the natives, who also eat the kernels in times of famine.

SKIMMIA.

Skimmia Laureola, Hook. f., RUTACEE.

Vern.—Ner, baru, PB.; Nehar, gurl pata, KUMAUN; Chumlani, NEPAL; Timburnyok, LEPCHA.

An aromatic shrub of the Himalaya from the west to Bhutan.

73I

### SOLA-NUM.

5,000 to 11,000 feet in altitude, also in the Khásia Hills, in altitude 5,000 to 6,000 feet.

The leaves are eaten in curries by the hill people.

732

Soja hispida, Mænch., Leguminosæ.

Cultivated in India for its seeds or beans which are made into sauce called soy, used both in Asia and Europe for flavouring dishes, specially beef, and believed to help digestion.

### SOLANUM.

733

Solanum coagulans, Forsk., Solanacez.

Syn .- S. SANCTUM, Linn.

Vern.—Maraghune, bari manhari, tingi, PB.

A plant resembling M. Melongena, met with in the Punjab and Sindh. The fruit is, in some places, eaten by the natives, either fresh or in pickles.

734

S. gracilipes, Done.

Vern.-Howa, marghi-pal, kandiari, pilak, valur, PB.

A thorny under-shrub of Western India, in Punjab and Sindh.

It produces a small fruit which is eaten by the natives.

It is not known wild in India. A. DC. says it is a native of Asia, not America, and Sendtner, l. c., fixes its origin in Arabia. As an escape from cultivation it becomes often intensely prickly. (Fl. Br. Ind.)

735

S. melongena, Linn.

EGG-PLANT OF BRINJAL.

Syn.—S. Incanum, Linn.; S. Esculentum, Dunal; S. Zeilanicum, Scop.; S. Longum, Roxb.

Vern.—Begoon, kooli-begoon, Beng.; Baigun, Hind.; Wang-kai, Tel.

More or less common throughout India, generally in cultivation.

There are many varieties distinguishable by the colour of the fruit: thus—deep purple, white, &c. The white ones are more rare and are supposed to be more tender and pulpy, but this is probably a mere idea.

Brinjals are much eaten in curry by all classes of natives, and are sold in every bazar.

"They are used in different ways: (a) made into curries, either with potatoes, or shrimps, or both; (b) roasted under hot ashes and made into a bhartha by being mashed and seasoned with salt, onions, chillies and lime-juice or mustard oil; (c) cut into slices and fried in oil; (d) when young and tender they are pickled with mustard oil, chillies, salt, &c." (Mr. L. Liotard.)

736

S. nigrum, Linn.

Syn.—S. Rubrum, Miller.

Vern .- Kambei, kachmach, mako, PB.; Gurkhi, BENG.

A common herbaceous plant found throughout India and Ceylon, altitude o-7,000 feet.

Produces a small, round berry, red or black (hence its name), sometimes yellow, eaten by the natives; also by the soldiers in British Kaffraria.

Its leaves possess slight narcotic properties, and are eaten in place of spinach in Bourbon and the Mauritius.

Solanum tuberosum, Linn.	SOR- GHUM,
Ротато,	<i>737</i>
Vern.—Alu, Hind., Beng.; Alé, Pb.; Wallarai kilangoo, Tam.; Ootalay gudda, Tel.; Batata, Bom.; Rata innala, Cingh.  Native of Peru and Chili, introduced into Spain in the beginning of the 16th century, whence it was introduced into India. The under-ground stem or tuber is in common use as an esculent. Coarse tasting brandy is also made from the potato.  The potato is now cultivated in all parts of India in the plains and in the hills up to 9,000 feet.  Potato is eaten by almost all classes.  It enters largely into the manufacture of wheaten bread.	·
S. verbascifolium, Linn.	738
Vern.—Kala-mewa, tiari, ola, kharawune, PB.  A shrub common throughout India in the tropical and sub-tropical	750
Produces small, round, yellow fruit or berries, which in Southern India are used in curries.	
S. xanthocarpum, Schrad. & Wendl.	739
Syn.—S. Jacquini, Willd.	139
Vern.—Kateli, katai, Hind; Kantakári, Beng.; Warumba, choti mauhari, harnauli, Ps.	
A prickly, diffuse herb, commonly met with from the Punjab to Assam and Ceylon. In blossom and fruit most part of the year. In some places the seeds are eaten.	,
SONCHUS.	
Sonchus oleraceus, Linn., Compositæ.  Milk Thistle.	740
Vern.—Dodak, PB.; Ratrinta, TEL.  A weed with hollow milky stems, yellow flowers and glossy leaves, more or less common throughout India in fields and cultivated places, and up to 8,000 feet in the Himalaya.  Kashmiris use it as a vegetable. Cattle are fond of it.	
SONNERATIA.	
Sonneratia acida, Linn. f., Lythrace.	
. Syn.—S. apetala.	<b>741</b>
Vern.—Orcha, archahá, Beng.; Tapu, tamu, Burm.  A small, evergreen tree of the tidal creeks and littoral forests of India, Burma and the Andamans. (Gamble.)  Flowers during the hot and rainy seasons, and produces a slightly acid bitter fruit which is eaten in the Sundarbuns. It is also eaten by the Malays as a condiment. A kind of silk-worm feeds upon its leaves.	
SORGHUM.	
Sorghum bicolor, Willd, Graminem.	
Vern.—Killo-debdhaor, dedhan, Beng.	742
Cultivated in India. Grain much used for food.	
Armin much fisca for loom.	
100	

## SOR-GHUM.

743

### Sorghum halepense, Pers.

Syn .- Holcus Halepensis, Linn.

Vern.—Barua, braham, PB.; Bajra, bara, Bundelkhand.

Common in parts of the Siwalik tracts, also on the plains and hills of the Punjab and North-West Provinces; described by Mueller as a rich, perennial grass.

This is a fodder grass when young, and Stewart says it is at times browsed by cattle, but, he adds: "I was told in Hazara that after eating it cattle sometimes have fatal head affections."

744

## S. saccharatum, Pers.

Broom Corn of Chinese Sugarcane.

Syn.—Andropogon Saccharatus.

The seeds of this annual grass, sugar producing millet or sweet cane were obtained by the Government of India . . . . and distributed to the different Provincial Governments for experimental cultivation.

This grass is cultivated in Northern India.

This plant might be advantageously utilised for preparing treadle; as the saccharine sap would amount to from 100 to 300 gallons per acre. The grass is used as a valuable fodder for cattle.

745

### S. vulgare, Pers.

THE INDIAN OF GREAT MILLET OF GUINEA CORN.

Syn.—Holcus sorghum, Linn.; Andropogon sorghum, Brot.

Vern.—Juar, junri, choti juar, bajra-jhupanwa, N. W. P. and Oudh; Juar, kurbi and chari (stalks), BENG., HIND.; Zoorna, SANS.; Talla, jonna, bonda-janu (the plant), tella-janular (the grain), Tel.; Cholum, TAM., Chavela, MAL.

An annual cane-like corn grass, similar to Indian-corn, producing a dense head of spikelets, bearing numerous small corn grains, which are very valuable as food. The stalk of this plant was most probably the

'reed' of Matthew, and its spikelets the 'hyssop' of St. John.

This is one of the most important of the rainy season food crops in India, and with rice and wheat form the chief staple food of the country. From it are made bread, porridge and other food preparations; occupying the same place to many natives that oats do to many of the inhabitants of Scotland. Its small yellow seed when crushed makes also a good auxiliary food for cattle horses, swine, poultry, and sheep. It contains  $2\frac{1}{2}$  per cent. of flesh-forming matters and about 11 per cent. of fat or heat-producing matters. It is sometimes known as Durra.

There are numerous varieties of juar (or cholum) as might be expected from the large extent to which it is cultivated. (Duthie and Fuller.)

The area under this crop in the different Provinces of India may be given approximately as follows:—

					Acres.
Punjab	•	•	•	•	
North-Western Province	ces a	nd O	udh		3,690,000
Bengal (chiefly Behar)	• .	•			- •
Central Provinces			• .		
Bombay Presidency				٠	
Berar	•	•			
Madras Presidency					
•	• •				
		Tr.	4 - 1		

Total

SPOUDI-AS.

For the Rajputana and Central India States, the Nizam's Territories and Mysore no figures are available.

In Madras in 1870 there were devoted to food grains of the millet species.

Cholum (Sorghum Vulgare) . 4,855,000
Raggy (Elensine corocana) . 1,611,000
Veragu (Panicum miliaceum) . 1,605,000
Cumboo (Pencilliaria spicata) . 3,197,000
Corraloo (Panicum italicum) . 1,018,000
Millet of various kinds . 614,000

Total . 12,900,000

The seed (at the rate of 3 to 6 seers per acre) is sown broadcast at the commencement of the rains in rather elevated soil, chiefly of the loamy or clayey kind, sometimes with other minor crops of pulses; irrigation is seldom used; the pulses are first harvested, and the juar harvest begins a fortnight later, i. e., in November.

The cost of cultivation, including rent, in the North-Western Provinces and Oudh is given by Messrs. Duthie and Fuller at Rs. 13-13-0 per acre; and the outturn they estimate at about 10 maunds of grain, and 60 maunds of dry fodder on irrigated, and 8 maunds of grain and 45 maunds of dry fodder on unirrigated land; in addition to the outturn of the subordinate crops—arhar 5 maunds, other pulses 2 maunds, til \( \frac{1}{2} \)

The dry stalks and leaves are chopped to form the ordinary cattle fodder of the country for some months of the season. Occasionally, in parts of the North-West Provinces and Oudh and the Punjab, juar is grown solely for cattle fodder, in which case the stalks are cut while green before the seed matures. In this case it is usually sown in the hot weather before the rains, requires irrigation, and is cut early enough to be succeeded by one of the cold weather crops. The outturn per acre is on irrigated land 300 maunds of green fodder (known as chari), equal to 100 maunds of dry fodder; and on unirrigated land 280 maunds equal to 90 maunds of dry fodder.

#### SPINACIA.

Spinacia oleracea, Mill., CHENOPODIACEÆ.

GARDEN SPINACH.

Vern.—Paluk, sag-paluk, HIND.; Palung, BENG., Bij-palak, PB.; Ispanaj, is-panaj, ARAB., PERS.; Vusayley-keeray, TAM.

This plant is cultivated in some parts of India, chiefly under garden cultivation; both kinds, the one with smooth, the other with prickly seeds.

Its large fleshy insipid but wholesome leaves are used as a favourite pot-herb in the early spring and summer months. When properly dressed and deprived of moisture, mashed with butter and a few sorrel leaves, they make an excellent dish which may be eaten with any kind of meat.

### SPONDIAS.

Spondias dulas.

OTAHEITE APPLE OF VI.

Vern.—Amara.

A tree of from 50 to 60 feet high, a native of the Polynesian Islands,

746

#### STERCU-LIA.

introduced into many parts of the tropics; has golden apples sometimes weighing I lb. 2 ozs. and measuring a foot in circumference. The rind tastes of turpentine, but the pulp has a fine apple-like smell and an agreeable flavour.

748

Spondias mangifera, Pers., Anacardiacra.

THE HOG-PLUM.

Syn.—S. AMARA, Lamk.

Vern.—Amra, Beng.; Amra, ambodha, Hind.; Amara, Nepal, Ass.; Ronchiling, Lepcha; Tongrong, Garo; Hamara, Gond; Ambera, Kurku; Kat-mara, Tam.; Aravi-mamadi, Tel.; Kat ambolam, Mal.; Amb, Mar.; Amte, Kan.; Gway, Burm.

A deciduous tree, wild and cultivated, more or less common throughout India, e. g., Sub-Himalayan tract from the Indus to Eastern Bengal, very common in Bengal, rare in Central India, frequent in South India, and Burma. Blossoms at the beginning of the hot season, the leaves follow immediately, and the fruit ripens in winter when the leaves fall off, leaving the fruit in bunches.

The fruit is eaten raw when ripe, and while green it is pickled or put

in curries.

In Bengal, at least, there are two varieties of the Amara, or hogplum; one is larger, pleasantly sweetish-acid, and has more pulp over the nut-it is probably the Spondias dulcis, Willd., said to be introduced from the South Sea Islands; the other is smaller, disagreeable to the taste and has less pulp. The former is known by the natives as bilaiti-amra [European apple], is rare and is cultivated in gardens; the latter is known as desi-amra [country apple], and is more common and wild in parts of the country.

The bilaiti-amra is often eaten in its natural state when ripe, and is rarely put in curries. The desi-amra is rarely eaten in its natural state except by the poorer natives, and is more commonly put in fish or vegetable curries, or in lentil, to give these dishes an acid taste much liked by natives, or it is made into pickle with mustard oil, salt, chillies, &c.

(L. Liotard.)

#### SPOROBOLUS.

749

Sporobolus tenacissimus, Beauv., GRAMINEÆ.

Syn. -S. ORIENTALIS, Kunth.; AGROSTIS TENACISSIMA, Linn. Vern.—Usar-ki-ghas, khar-usara-ghas, kalusra, N. W. P.; Tæma-gerika,

Grows on dry, barren ground on the plains of the North-West Provinces, the Punjab and Sindh, and on old, poor, stiff pasture ground

in Madras, where it forms extensive plants of tenacious turf.

Mr. Duthie says it is a good fodder grass, that it grows remarkably well on barren usar land, and that it has very long roots, which deeply penetrate into the soil in search of moisture.

### STERCULIA.

750

Sterculia balanghas, Linn., STERCULIACE E.

Vern. - Cavalum, MAL.

A tree found throughout the hotter parts of India and Ceylon. The seeds are wholesome, and when roasted are nearly as palatable as chestnuts. (Roxb.).

SUŒDA.

#### Sterculia fœtida, *Linn*.

Vern.—Jangli-badam, HIND.; Pinári, TAM.; Gurapu-badam, Tel. Hlyanpyoo, letkop, Burm.

75I

A large, evergreen tree in Konkan, Malabar, and Burma. Produces large flowers of a dull crimson and orange colour, variously blended, and fruit or rather capsules of the size of a man's fist, pretty, smooth, and fibrous. These contain each from 10 to 15 seeds, of the size of filberts, oblong, hard and smooth.

The seeds are roasted and eaten like chestnuts, but are not much es-

teemed.

#### S. urens, Roxb.

752

Vern.—Gúhá, kálá, gúlar tabsi, karrai, Hind.; Odla, Ass.; Hittum, Gond; Takli, Kurku; Talbsu, Tel.; Vellay pátali, Tam.; Kalru,

A large, deciduous tree, with five-lobed hand-shaped leaves, found in the sub-Himalayan tract from the Ganges eastward to Assam, common in forests in Behar, South India and Burma. Produces, during the cold season, small, numerous yellow flowers; and the leaves appear with the fruit about the beginning of the hot season. The fruit, or rather capsules which are clothed with stiff bristly stinging hairs, are in bunches of five united in the form of a star.

They contain each from 3 to 5 seeds, which are oblong, chestnutcoloured, and are roasted and eaten by the poorer tribes of natives, such as the Gonds and Kurkis of the Central Provinces. A kind of coffee may

be made from the seeds.

#### STRYCHNOS.

## Strychnos potatorum, Linn. fil., Loganiacem.

THE CLEARING NUT TREE. Vern.—Nirmali, nelmal, Hind.; Kotaku, URIYA; Ustumri, Gond; Tetrankottai, TAM.; Chilla, induga, katakamee, TEL.; Nirmali, MAR.; Tetam-parel, MAL.; Chilu, KAN.

A moderately-sized tree of Bengal, Central and South India.

Flowers during the hot season, and produces a black fruit of the size of a cherry, with one seed, the pulp of which when ripe is eaten by the

It receives its name because of its singular power of clearing muddy water by its being rubbed round the vessel containing the water.

#### SUŒDA.

## Suæda indica, Moq., Chenopodaceæ.

Vern.—Ella-kura, Tel.

754

753

A plant on and near salt, moist ground near the sea. Flowers during most part of the year; the leaves are scattered round every part of the branchlets, and are fleshy, smooth, half inch long, green in young plants, coloured in older ones.

Dr. Roxburgh wrote:-

"The green leaves of this species are universally eaten by all classes of natives who live near the sea, where it is to be had; it is reckoned very wholesome, and must be so, as during times of scarcity and famine it is a very essential article of the food of the poor natives; they dress it in their curries, &c. The leaves of this plant alone, the natives say, saved many thousand lives during the late famine of 1791-2-3; for, while the plant lasted, most of the poorer classes who lived near the sea had little else to eat,"

### TANACE-TUM.

#### SYRINGA.

755

Syringa Emodi, Wall., OLEACEÆ.

Vern.—Bán-phúnt, banchír, rasli, ranghrun, lolti, sháfrí, dud en, PB.
Ghia, Kumaun.

A large shrub of the Himalaya, from the north-west regions to Kumaun, ascending to 11,000 feet.

The leaves are eaten by goats.

#### TACCA.

756

Tacca pinnatifida, Forsk., TACCACEE.

South-Sea Arrowroot, Chánay Kéléngu of Pi.

Vern .- Carachunai, TAM.; Cunda, TEL.

Found in the Concan southwards, also on the Parell hills near Bombay. Has a large, round, tuberous root, which yields a large quantity of white nutritious fecula, resembling arrowroot, much eaten by the natives, specially in Trayancore, where it forms an important article of trade.

ally in Travancore, where it forms an important article of trade.

It is equal to the best arrow-root. The tubers are dug up after the leaves have died away; and are rasped and macerated for four or five days in water when the fecala separates in the same manner as sago does. It is a favorite ingredient for puddings and cakes in the South Seas.\*

#### TAMARINDUS.

757

Tamarindus indica, Linn., LEGUMINOSE.

THE TAMARIND.

Vern.—Amli, ambli, imli, Hind.; Tintri, tintil, Beng.; Titri, Nepal; Tintuli, Uriya; Púli, Tam.; Chinta, Tel.; Karangi, kamal, asam, Mysore; Magyee, Burm.

A large, evergreen tree, growing to a height of 80 feet and a circumference of 25 feet, cultivated throughout India and Burma as far north as the Jhelum. Produces abundantly long, narrow pods with exceedingly

sour pulp.

Its large flat pods, 4 to 6 inches in length, when ripe are sold in every bazar; in the way of food the pulp being put into curries to give an acid flavour. It makes a pleasant, cooling drink when a small quantity is diluted in water and sweetened with sugar. The tender leaves are also made into curries by the poorer classes. The pods pressed in syrup or sugar form the preserved 'Tamarinds' of English shops.

In Western India they are used in preserving or pickling fish, which

under the name of tamarind-fish is regarded a delicacy.

### TANACETUM.

758

Tanacetum senecionis, Gay in DC., Compositm.

Syn.—T. TOMENTOSUM, DC.

Vern.—Purkar, LADAK.

A plant of the Western Himalaya, Lahoul, Kunawar, and Garhwal. Altitude 11,000 to 14,000 feet.

Browsed by goats.

<sup>\* &</sup>quot;It possesses a considerable degree of acrimony, and requires frequent washing in cold water previous to being dressed. In Travancore, where the root grows to a large size, it is much eaten by the natives, who mix certain agreeable acids with it to subdue its natural pungency." (Drury.)

TECOMA.

## Tanacetum tenuifolium, Facq.

759

Inhabits Kumaun and Western Tibet, and closely resembles T. tibetieum, Hook f. & Tho.

Used for flavouring puddings.

### TARAXACUM.

## Taraxacum officinale, Wigg., Composita.

Dandelion.

760

**761** 

Vern.—Dudal, baran, kanphúl, radam, shamukei, dudh-bathal, PB. A common weed found throughout the Himalaya and Western Tibet,

at 1,000 to 18,000 feet; comprises several forms.

The young plant is eaten as a vegetable. The leaves are bitter and tonic and used as a salad like endive, but too bitter to be agreeable. They are eaten by cattle with advantage, as also by rabbits.

Its roots are also used by some with coffee instead of chicory.

#### TAXUS.

#### Taxus baccata, Linn., Conifere.

THE YEW.

Vern.—Saráp, badar, AFG.; Birmí, barma, túng, thúnu, chaiung, Kash-MIR; Thúner, geli, gullu, lust, N. W. P.; Pung-chu, LADAK.

A large tree, met with all along the Himalaya, from the Indus to Bhutan, between 6,000 and 10,000 feet. Common in the forests of Manipur.

The bark is used in Kunawar as a substitute for tea or mixed with it. (Dr. Stewart.) The berries are eaten by the poorer natives, although in Europe they are regarded as poisonous. The leaves are eaten by goats and sheep.

The seeds are regarded by some as poisonous, and the branches and leaves highly poisonous to horses and horned cattle. But the red succulent cups, in which the seeds are seated, are frequently eaten because of their sweet mawkish taste. Birds feed largely on them in winter, so also do wasps and caterpillars.

Tea. See Camellia theifera, Griff., TERNSTREMIAGEE.

#### TECOMA.

## Tecoma undulata, G. Don., Bignoniacem.

Syn.—BIGNONIA UNDULATA, Roxb.

Vern.—Reodana, rebdan, lahura, rahira, PB.; Lohuri, SIND.; Roira, MHAIR.; Rakt-reora, MAR.

An evergreen shrub common in the Sulaiman and Salt Ranges, and Western India till Guzerat. Produces gorgeous orange-coloured blossoms in April.

The foliage is used as cattle fodder.

THEA.

#### TERMINALIA.

763

Terminalia belerica, Roxb., Combretace.

MYROBALANS.

Vern.—Bhaira, baherá, Hind.; Bohera, Beng.; Thara, Uriya; Bherda, Mar.; Balra, batra, balda, Dec.; Babela, Pers.; Kanom, Lepcha; Chiroræ, Garo; Hulluch, Ass.; Tani, kattu, elupay, Tam.; Tani, tandi, Tel.; Thitsein, Burm.; Butu, Cingh.

A deciduous tree, attaining a height of 60 to 80 feet, having narrow lance-like leaves, growing in tufts at the tops of the branches; common in the plains and lower hills throughout India (except in the desert regions of

West India).

The oval pentagonal fruit, the size of a nutmeg, is one of the Myrabolans of commerce, and is eaten, when fresh, by goats, sheep, cattle, deer and monkeys. The kernels of the fruit are also eaten, but produce intoxication when taken in excess,

In Kangra the leaves are considered the best fodder for milch cows.

764

## T. Catappa, Linn.

ALMOND.

Vern. - Badam, Beng.; Taru, Kan.; Natvadum, Tam.; Vedam, Tel.; Catappa, Malay.

A large, exceedingly handsome tree, widely cultivated throughout the tropical parts of India; wild in the Malay, and perhaps also in the Andaman Islands. It assumes an autumnal tint in the cold season, and the leaves fall off in the beginning of the hot season.

The kernels are cylindrical having the taste of almonds as also their shape and whiteness but not their peculiar flavour, and commonly eaten by natives and to a small extent by Europeans also, but by the latter as a

dessert.

765

## T. chebula, Retz.

Vern.—Jangli-badam, Hind.; Herra, har, harara, Hind.; Hilikha, Ass.; Haritaki, Beng.; Silim, Lepcha; Harla, harla, Dec.; Karka, harra, Gond.; Kadakai, Tam., Karak, Tel.; Pangah, Burm.

A large tree, attaining the height of 80 to 100 feet, abundant in North India from Kumaun to Bengal, and southward to the Deccan table-lands; and to Ceylon, Burma, and the Malayan Peninsula. The fruit is one of the myrabolans of commerce.

The fruit is smooth and oval about an inch and a half long and an inch in diamater, having a considerable quantity of pulp. Its leaves are eaten by cattle, the kernels are also eaten and taste like filberts; but in

large quantities produce intoxication.

766

## T. tomentosa, W. & A.

Syn.—Pantaptera tomentosa, Roxb. (Fl. Ind., Ed. C. B. C., 383.)

Vern.—Saj, sein, asan, assaim, asna, sadri, HIND.; Piasal, usan, Beng.; Sahaju, URIYA; Amari, Ass.; Taksor, Lepcha; Kara marda, anemui, TAM.; Maddi, nella-madu, Tel.; Karkaya, sadora, Hyderabad; Ain, madat, Mar.; Toukkyan, Burm; Kumbuk, Cingh.

A large tree of the sub-Himalaya from the Ravi eastward ascending to altitude 4.000 feet: Bengal. Central and South India and Burma.

to altitude 4,000 feet; Bengal, Central and South India and Burma.

The ashes of the bark give a kind of lime which, Gamble says, is eaten by the natives with betel leaf (pán).

Thea chinensis, Linn.; T. assamica Masters. See Camellia theiserar, Griff., TERNSTREMIACEÆ.

TRAPA.

#### THEOBROMA.

## Theobroma Cacao, Linn., Sterculiace E.

THE CACAO OF CHOCOLATE PLANT.

This small tree, 16 to 18 feet high, bears a pod-like fruit 6 to 10 inches long, and 3 to 5 in girth, containing 50 or more seeds. The ripe seeds, covered with mucilage are taken from the fruit and allowed to ferment. They are then dried in the sun, and thus become the brown chocolate bean or nut of commerce. Roasted and split or broken they become the cocoa nibs of the shops. The cocoa powder is simply the ground nibs, which formed into cakes, &c., flavoured with vanilla and sugar, make the chocolate of the shops.

The tree has been grown in some parts of India and Ceylon, where it is cultivated to a certain extent on the Malabar Coast by the Roman Catholic missionaries, who make small quantities of cacao regularly for their own use and for sale to Europeans of those parts. "The Cacaoseeds were made use of by the Mexicans previous to the arrival of the Spaniards boiled with maize and roughly bruised hetween two stones, and

eaten, seasoned with capsicum and honey." (Drury.)

#### TODDALIA.

## Toddalia aculeata, Pers., RUTACRE.

TODDALIA.

Syn.—Scopolia aculeata, Sm.

Vern.—Kanj, Hind.; Dahan, lahan, Rajputana; Meinkara, Nepal; Saphijirik, Lepcha; Milkaranai, Tam.; Konda-cahinda, Tel.

A bushy shrub, or extensive climber, in the outer Himalaya from Kumaun eastwards, Khásia hills and Western Ghâts. (Gamble.)

The fresh leaves are eaten raw, and the ripe berries are pickled by the natives of the Coromandel coast; both the leaves and berries have a strong pungent taste.

On the Malabar Coast it is known as Kaka Toddali; hence the botani-

cal name.

Tomato. See Lycopersicum esculentum, Miller, Solanace E.

#### TRAPA.

### Trapa bispinosa, Roxb., Onagracer.

Vern .- Pani-phal, BENG.; Singhara, HIND.; Sringata, SANS.; Gaunri, Kashmir.

A floating herb found on tanks and pools throughout India.

Flowers during the rainy season, and produces small, dark brown triangular nuts, sold in the markets when in season.

The kernel of the nut is white, sweetish and farinaceous, is much esteemed and very commonly eaten, both raw and cooked, by the natives, especially by the Hindus. Cakes are prepared from the kernel.

Dr. Stewart mentions (quoting from Moorcroft) that in the Kashmir through the collection of the latter than the collection of the latter than the collection of the latter than the collection of the latter than the collection of the latter than the collection of the latter than the collection of the latter than the latter than the collection of the latter than the latter t

valley it furnishes almost the only food of at least 30,000 people for five months of the year; and referring to a "good authority" he adds that the Maharajah draws more than a lakh of rupees annually from duty on the nut taken from the Wular lake. In some parts of India the food supplied by the nut, especially to the poorer classes, must be of consider-

767

768

#### TRICHO-SANTHES.

able importance. In Guzerat it forms an important article of diet, and in Manipur the immense lakes to the south of the valley afford food for a few months for a large community.

#### TRIANTHEMA.

## *7*70

### Trianthema crystallina, Vahl., Ficoider.

Vern .- Alethi, PB.; Kuka-pal-kura, TEL.

A prostrate-branched herb met with throughout India, from the Punjab to Ceylon, excepting Bengal.

In the Punjab it is very common, and near Multan its seeds are swept up in times of famine and used as food. (Dr. Stewart.)

#### *7*71

## T. monogyna, Linn.

Syn.—T. OBCORDATA, Roxb.; T. PENTANDRA, B. OBCORDATA, DC.

Vern.—Smet-sabuni, lal-sabuni, HIND.; Yurra-galjeror, bodo-pel-kura, Tel.

Common throughout India and Ceylon.

The leaves and tender tops are eaten by the natives in curries.

#### 772

#### T. pentandra, Linn.

Syn. -T. OBCORDATA, Wall.

Common as a weed in waste grounds on the plains of the Punjab, Sindh and the North-West Provinces.

The tender tops of this plant, together with its leaves, are eaten as a pot-herb.

#### TRIBULUS.

#### *7*73

### Tribulus alatus, Delile, Zygophyllek.

Vern.—Lotak, bakhra, gokhrudesi, PB.; Krunda, SIND.

A prostrate herb of Sind and the Punjab.

"The young plant is in some places eaten as a pot-herb; and the seeds are used as food, especially in times of scarcity."

### 774

## T. cistoides, Linn.

The Flora of British India gives Bengal, in the vicinity of Calcutta, as a locality for this plant, a doubtfully distinct species from the following. This I regard as a mistake, for, during ten years' study of the Bengal plants, I have only once come across a specimen of Tribulus, and that I regarded as an escape.

## **775**

## T. terrestris, Linn.

This low trailing annual plant is common throughout India, ascending to 10,000 feet, rarer in Lower Bengal, and absent from the vicinity of Calcutta, abundant in Behar and everywhere in the Madras Presidency and the North-Western Provinces and Oudh.

The small spiny fruits of this plant is said to have constituted the chief food of the people during the Madras famine. They are supposed

TRICHOSANTHES.

## to be the thistles of St. Matthew.

## 776

## Trichosanthes anguina, Linn., Cucurbitace.

SNAKE-GOURD.

Vern.—Chachinga, HIND.; Chichingá, BENG.; Jalar-tor pandol, chichinda, PB.

A native either of India or the Indian Archipelago, believed by Mr. C. B. Clarke, to be a cultivated state of T. cucumerina.

	TRIFO
Sown in April and May throughout the plains and grown as a rain crop. Its pendulous, cylindrical, snake-like gourd, 3 feet long, is eaten cooked in curry, and is a common article of food.	LIUM.
Trichosanthes cucumerina, Linn.	777
THE DOOMMAALA.  Vern.—Ban-patol. Beng.: Yangli-chachinda. Hind.: Gwal kakri. mohakri.	
Vern.—Ban-patol, Beng.; Sangli-chackinda, HIND.; Gwal kakri, mohakri, PB.; Pipudel, pudel, TAM.; Chyad-potta, TEL.  A pretty extensive climbing annual, found throughout India. The fruit is oblong, I to 4 inches long, striated with white and green when unripe, and red when ripe. It contains a red pulp, which is eaten unripe, generally in curries, but is very bitter.	
	778
T. dioica, Roxb.	,,,
Vern.—Potal, Beng.; Palbal or palwal, Hind.; Putulika, Sans.  Cultivated during the rains throughout the plains of Northern India, from the Punjab to Bengal Proper and Assam.	
The fruit is oblong, smooth, about 2 to 4 inches long, green when unripe, and yellow or orange when ripe.	
It is eaten when unripe and always cooked, and is a much esteemed vegetable. Natives generally make it into curry.	
· · · · · · · · · · · · · · · · · · ·	
It is also eaten in other ways, chiefly by Europeans: (a) cut in halves, boiled and served as a vegetable with butter, salt, and pepper; (b) cut in halves and fried; (c) cut in slices and stewed in sauce; (d) cut in halves and preserved in syrup with cinnamon or vanille. (Mr. L. Liotard.)	
T. lobata, Roxb,  Vern.—Bun-chichinga, Beng.  Found in hedges and among bushes in the Deccan Peninsula (Fl. Br. Ind.) Flowers during the rains and produces an oblong, acute fruit, which, however, is not apparently eaten.	779
TRIFOLIUM.	
Trifolium fragiferum, Linn., Leguminosæ.	<b>780</b>
Strawberry-headed clover.	
Vern.—Chit-batto, Kashmir.  Confined to Kashmir, and much like T. repens.  Eaten by cattle. It receives its English name from the fruit-like aspect of its Calyces, which expand and take on a reddish colour after the flowers fade.	
T. pratense, Linn.	•
RED OF BROAD-LEAVED CLOVER OF COW GRASS.	<b>7</b> 81
Vern.—Trepatra, PB.	
Extends from Kashmir to Garhwal, at 4,000 to 8,000 feet in altitude and is not uucommon. Not well adapted for light soil.  Browsed by cattle. It is regarded as a good cropper where the commoner clover had failed.	
monet clover had raned.	

TRITI-CUM.

782

Trifolium repens, Linn.

WHITE OF DUTCH CLOVER OF the SHAMROCK OF IRELAND.

Vern.-Shaftal, shotul, PB.

A slender, wide creeping herb, common in many parts of the Himalaya, in the temperate zone, and up to 20,000 feet; also in the Nilgiris.

Browsed by cattle; a valuable feeding plant in dry and thin soils. Should be freely employed in laying down permanent pastures.

#### TRIGONELLA.

783

Trigonella Fænum-græcum, Linn., Leguminosæ.

THE FENUGREEK OF FENUGÆC.

Vern..—Methi, HIND., BENG.; Vendayam, TAM.; Mentulu, TEL.; Ventagam, MAL., Men, thya, KAN.; Méthi, MAHR., GUZ.; Punanto-si, BURM.

A small, herbaceous plant, cultivated in parts of India, particularly in the higher inland provnces.

The seeds are commonly used as a condiment, chiefly in curries, and

give a peculiar smell offensive to European taste.

Containing the principle called Coumarin, which imparts the pleasant smell to hay, they are employed to give false importance to or render palatable damaged hay, and to flavour the so-called concentrated cattle foods. It is also used as a substitute for coffee.

#### TRITICUM.

784

Triticum sativum, Lam., GRAMINEE.

COMMON WHEAT.

Syn .- T. VULGARE, Vill.; T. ÆSTIVUM, Linn.

Vern.—Gam, Beng.; Genhu, gohun, Hind.; Gandum, Pers.; Burr, Arab.; Gudhuma, soomuna, Sans.; Godumai, Tam., Gódu muhi, Tel.; Kótanpan, Mal.; Gódhi, Kan.; Gahung Mar; Gujon saba, Burm.

A native of the Euphrates region. (DeCandolle:) Cultivated from great antiquity: hence the present numerous varieties. In India it is cultivated in North-Western India, Central Provinces, and Bombay.

The variations are classed chiefly according to the consistency of the grain; thus, hard or soft wheat. The soft wheats are in most demand for the United Kingdom, while the hard ones go to the Mediterranean ports and are also preferred by the natives of India as the more wholesome. Each of these two classes may be grouped according to the colour of the grain in being white or red; and these again may be further sub-divided according to the presence or absence of bristles, which makes them known as bearded or beardless.

In India wheat is cultivated more or less in every Province, most largely in those of the north; and all the different kinds just mentioned are grown. They in many cases are cultivated with barley, gram,

rape, and linseed as secondary crops.

TRITI-CUM.

The areas in each Province under wheat are estimated to be as follows:—

										Areas in Acres, 1880-81.
Punjab	•				•		•	٠.		6,509,225
North-We	est P	rovin	ces ar	nd Ou	dh					7,200,000
Central P	rovin	ces	•	•	•	•			•	3,391,441
Bengal	•	•	•	•		•		•	•	1,000,000
Bombay	•					•			•	1,352,474
Berar		•	•	•		•				774,870
Sindh	•	•					•			227,487
Madras			•		•		•	•		. 19,058
Mysore		•					•			21,058
Assam			•	•		•				11,475
Ajmere	•	•	•	•		•	•			8,683
							To	ral	•	20,515,771

In the North-West Provinces and Oudh (Messrs. Duthie and Fuller write) "the cultivation of wheat grown alone reaches its maximum in the Meerut and Rohilkhand divisions, where winter rains may be safely reckoned upon, and it is in these divisions that the finest varieties have their home. In the drier districts of the Agra and Allahabad divisions and Bundelkhand wheat is rarely grown by itself, and is generally sown with either barley or gram, which by their superior hardiness continue to eke out a crop in cases where the wheat would fail from insufficient moisture."

The sowing of wheat is done in October and November in the different parts of the country. A rather heavy loam is considered best suited to its cultivation, but the cereal is grown also in almost any soil excepting the very light sand. The land is ploughed at the very commencement of the rains, and is allowed to remain open throughout their continuance. The seed is sown in October and November in the different provinces, at the rate of from 100 to 140 lbs. per acre. Irrigation is resorted to where available or necessary.

For the North-West Provinces and Oudh Messrs. Duthie and Fuller estimate on the best authorities that the total cost of cultivation (including rent and irrigation) is about Rs. 31-7 per acre; and that the outturn on irrigated land may be taken at 15 maunds of grain for wheat with barley, and 13 maunds for wheat with gram; on unirrigated land at from 6 to 10, and 7 to 9 maunds respectively in the first two and the third cases.

The chaff or chopped straw (bhusa) affords valuable fodder for cattle. Indian wheats were not much known or appreciated in the European markets previous to the year 1871-72. From that year some attention was given to this Indian product; and the Government of India, following up the movement, abolished in January 1873 the duty of 3 annas per maund to which Indian wheat was subject on export. The result has been that

# TRITI-

from that year the export rose suddenly, and it has since steadily been increasing as will be seen from the following figures:—

Exports of Wheat from India by Sea to other Countries.

	Official years.		Value in Rs.			
1871-72		-			637,099	23,56,445
1872-73					394,010	16,76,900
1873-74					1,755,954	82,76,064
1874-75					1,069,076	49,04,352
1875-76					 2,498,185	90,10,255
1876-77					5,583,336	195,63,325
1877-78					6,340,150	285,69,899
1878-79					1,044,709	51,37,785
1879-80					2,195,550	112,10,148
1880-81					7,444,375	327,79,416
1881-82			1.4		19,863,520	860,40,815
1882-83		16			14,144,407	606,89,341

The exports proceed to the following countries (the figures are those of 1882-83): -

		Count	Quantity in Cwts.						
United Ki France Belgium Egypt Holland Gibraltar Italy Malta Aden	:	•	:	 :	•	•	:		6,575,160 3,567,712 1,458,898 799,550 578,246 494,098 176,063 163,358 140,132
						To	TAL		14,144,407

The proportion in which the exports are shared by each of the five Maritime Provinces is given in the next table, and it will be seen from the figures of 1871-72, 1879-80, and 1881-82, which are given by way of comparison, that in Cwts. the increase has taken place chiefly in the exports from Bengal, Bombay, and Sind:—

Official years.	Bengal.	Bombay.	Sind.	Madras.	British Burma.
1871-72	346,979	127,945	152,359	3,836	5,980
	1,586,473	333,189	274,764	1,030	94
	6,668,047	11,328,585	1,852,334	10,996	3,558
	4,439,405	6,957,752	2,732,275	6,599	8,376

The exports from Bengal, Bombay, and Sind, besides including the produce of those Provinces, also comprise that of the North-West Provin-

ces and Oudh, of the Punjab and of the Central Provinces, to the following quantities (the figures are those of 1881-82):-

TURPI-NIA.

785

786

787

788

E			
Exported from	Calcutta port.	Bombay port,	Karachi.
	Mds.	Cwts.	Cwts.
North-West Provinces and Oudh Punjab	40,73,456 4,50,728 58,146	22,851 78,501 7,571,217	1,66a,95\$

#### TRIUMFETTA.

### Triumfetta annua, Linn., TILIACEE.

Vern.—Aadai-otti, TAM.; Chikti, HIND.

A herbaceous shrub common in tropical Himalaya, from Simla to Sikkim, the Khásia Mountains, Assam, Konkan, Ava, and Andaman Islands.

Produces orange-coloured flowers, and fruit of the size of a large pea. Green paroquets feed on their ripe fruits or burrs, hence in Jamaica, these plants are known as Paroquet Burr.

#### T. pilosa, Roth.

Found throughout the tropical parts of India from the Himalaya to Travancore and Ceylon.

Produces yellow flowers and small fruit of the size of a cherry. The remark made of the fruits of the above is here equally applicable.

## T. rhomboidea, Jacq.

Syn.—T. BARTRAMIA, Roxb.; T. TRILOCULARIS, Roxb.; T. ANGULATA, Lam. An herbaceous plant met with throughout tropical and sub-tropical India, and up to 4,000 feet in the Himalaya.

Eaten as a pot-herb in times of scarcity.

#### TULIPA.

### Tulipa stellata, Hook., LILIACEE.

Vern.—Shandai-gul, bhumphor, chamui, paduna, jal kukar, chamoti. PB. Common in Western Punjab, the Salt Range, the Siwaliks and the outer Himalaya to Kumaun.

The bulbs are frequently eaten by the natives, and are for that purpose sold in some of the bazars in Peshawar. They are also in some parts eaten by animals.

#### TURPINIA.

## Turpinia pomifera, DC., Sapindace.

Vern. - Thali, NEPAL; Murgtu, LEPCHA; Nila, NILGIRIS.

A moderately-sized deciduous tree of the Terai from the Nepal frontier eastward to Assam, Eastern Bengal, and Burma.

The leaves are given as fodder to cattle. The fruit of some of the Turpinias is edible.

VACCI- NIUM.	
	түрна.
790	Typha angustifolia, Linn., Typhace.  The Reed mace or The Lesser Cat's Tail.  Vern.—Dib, kundar, lukh, boj, Pb.; Pits, yira, Kashmir.  A kind of bulrush common in marshes in the Punjab and Kashmir.  In Kashmir the roots are eaten.  The flowers are of separate sexes, the male containing a quantity of pollen of which a kind of bread is made.
<b>791</b>	T. elephantina, Roxb.  ELEPHANT-GRASS.  Vern.—Hogla, Beng.; Pan, Pb.; Emiga-junum, Tel.  Grows in fresh-water tanks, brooks, and slow-stream rivers.  Elephants are fond of it.
	ULMUS.
792	Ulmus campestris, Linn., URTICACEE.  THE ELM.  Vern.—Kain, brari, brankul, marash, maral, hembar, imbir, PB.  A large tree of the Punjab Himalaya at altitudes of from 3,500 to 9,500 feet.  The leaves, says Dr. Stewart, are a favorite fodder, and the trees are often very severely lopped on this account.
793	U. integrifolia, Roxb.  Vern.—Papri, khulen, arján, rajáin, PB.; Papar, kanju, KUMAUN; Papri, dhamna, kánj, karanji, chilbil, HIND.; Aya, TAM.; Namli, peddanolwli, eragu, Tell.; Myoukseit, BURM.  A large, deciduous tree of the sub-Himalayan tract from the Beas eastward, Central and South India, Burma.  The leaves are lopped for cattle fodder.
794	U. Wallichiana, Planch. Vern.—Kain, bren, amrai, marari, PB.; Mored, pabuna, HIND. A large, deciduous tree of the North-West Himalaya, from the Industo Nepal, between 3,500 and 10,000 feet. The leaves of this species also are lopped for cattle fodder.
	URTICA.
<b>79</b> 5	Urtica parviflora, Roxb., URTICACEE.  No information under food.
	VACCINIUM.
<b>79</b> 6	Vaccinium Leschenaultii, Wight., VACCINIACER.

2	
	VIBUI NUM.
VANGUERIA.	
Vangueria edulis, Vahl., Rubiace E.  The Voa-vanga of Voa-vanguer of Madagascar.	797
Vern.—Voa-vanga.  A small tree, native of Madagascar, resembling V. spinosa, but unarmed, is cultivated in India for the sake of its edible fruit. (Fl. Br. Ind.)  Its fruits are also eaten by the people of Madagascar, from whose vernacular name the botanical name of the genus has been got.	
V. spinosa, Roxb.	798
Vern.—Hsaymakyee, Burm.; Muyna, Beng.  A thorny, large shrub of Bengal, Burma, Pegu, and Tenasserim; flowers in the beginning of the hot season, and its fruit ripens in three or four months thereafter.	<b>/90</b>
The fruit is round, size of a cherry, smooth, yellow when ripe, and succulent; and is eaten by the natives.	
VERNONIA.	
Vernonia anthelmintica, Willd., Compositæ.	799
Syn.—Serratula anthelmintica, Roxb.; Conyza anthelminticas Linn.	
Vern.—Buckche, kalieseorie, HIND.; Somraj, BENG.; Neernoochie, caat- siragum, TAM.; Neela-vayalie, adavie-sula-kuru, TEL.; Kali-seerie, DEC.; Sanni-nayan, CINGH; Kalee-jeeree, BOM.	
A plant met with in parts of India, especially on the Himalaya. "Common on high, dry, uncultivated ground and rubbish. It flowers during the cold season." (Roxb.)  Its seeds by pressure yield a valuable solid green oil.	
VIBURNUM.	
Viburnum coriaceum, Bl., Caprifoliacz.	900
Vern.—Kala titmaliya, Kumaun; Bara gorakuri, Nepal.  A large shrub, common on the Himalaya from the Punjab to Bhutan, altitude 4,000 to 8,000 feet, Khási hills, Nilgiris and Ceylon.  The oil extracted by the Nepalese from the seeds is used by them for food and for burning.	800
	_
V. cotinifolium, Don.  Vern.—Mar-ghalawa, bankunch, bathor, papat-kalam, katonda, jawa, tustus, PB.; Richabi, guch, KASHMIR; Gwia, KAMAUN.  Alege shareh of the Susjaman Pange, North West Himsland from	801
A large shrub of the Sulaiman Range, North-West Himalaya, from 4,000 to 11,000 feet in altitude.  Produces a fruit which, when ripe, is sweetish and eaten in many places by the natives.	
V. fætens, Decaisne.	_
Vern.—Gúch, úklu, telhanj, pulmu, tandei, tunani, thilkain, PB.; Guya, Kumaun; Kilmich, guch, kulara, jamara, Kashmir.  A large shrub of the North-West Himalaya, from 5,000 to 11,000 feet	802
in altitude.  The fruit is sweetish, when ripe, and is eaten by the natives.	

#### VIGNA.

803

### Viburnum nervosum, Don.

Vern.—Ambre, ari, ris, dab, thilkain, PB.

A shrub of the Himalaya, met with from Kumaun to Sikkim. It produces a pretty red fruit which is eaten.

804

#### V. stellulatum, Wall.

Syn.-V. Mullah, Ham.

Vetn.—Jal-bagu, eri, era, PB.; Amliacha, phulsel, KASHMIR; Lal-titmaliya, KUMAUN.

A shrub of the North-West Himalaya, in altitude 6,000 to 10,000 feet. The fruit is eaten by the natives.

#### VICIA.

805

### Vicia Faba, Linn., Leguminosæ.

THE FIELD BEAN.

Found in a cultivated state in Nepal, Kashmir, and Tibet, introduced into Purnea (Bengal) and probably into some European gardens on the plains; at present cultivated commonly in the North-West Provinces.

The pod is tumid, leathery, spongy. At its base, on the lower side, there is a small hole, through which the internal water evaporates, so that the seeds become dry before the dehiscing of the pod. In England the ripe seeds or beans are extensively used for feeding horses. In an unripe condition Europeans eat them at their tables as vegetables. Sometimes the beans are ground into flour for food; and are also sometimes given to cattle.

806

## V. hirsuta, Koch.

THE HAIRY TARE.

Syn .- ERYUM HIRSUTUM, Linn.

Vern .- Jhunjhuni-ankari, HIND.

An herb of the North-West Provinces, Punjab, and Nepal, up to 6,000 feet, and also of the Nilgiris. Roxburgh says it is a native of Bengal. Frequently met with in cultivated grounds during the cold season.

In the inland provinces it is sometimes cultivated for fodder.

#### VIGNA.

807

## Vigna Catiang, Endl., Leguminosæ.

THE CHOWLEE OF INDIA and Tow Cor of China.

Syn.—Dolichos Catiang, Linn.; D. Sinensis, Linn.; Vigna sinensis, Endl.

Vern.—Barbati, Beng.; Boberloo, Tel.; Lobia, rawás, tausa, sonta, N. W. P. and Oudh.

Universally cultivated in India in the tropical zone, as a rule for its grain, which forms one of the summer millets, ripening in October and November.

The pod is two feet in length and contains a number of pea-like seeds which form a considerable article of food. In Bengal the young green

entire pods are cooked in curry.

In the North-West Provinces and Oudh its grain is not much valued, being difficult of digestion. The leaves and stems are used as cattle

VITIS. fodder. This bean is not often grown as a sole crop except in Rohilkhand, where it covers 5,000 acres; but it forms portions of the undergrowth in a large proportion of millet and cotton fields, with which it is sown at the commencement of the rains, and yields a produce of about the same quantity as that of urd. (Duthie and Fuller.) 888 Vigna pilosa, *Baker*. Syn.—Dilichos Pilosus, Roxb. Vern.—Jhikráí, kalúi, Beng. Cultivated in Bengal, Western Peninsula, Orissa, and Prome. The grain is eaten as dál by the natives. Cattle eat the straw of this plant. VILLARSIA. Villarsia nymphoides, Vent., Gentianiacek. 809 Vern.—Kuru, phair-posh, KASHMIR. Common in Kashmir about the lakes. Very largely used for fodder. VITEX. Vitex leucoxylon, Linn. f., Verbenace E. 810 Vern .- Goda, horina, ashwal, BENG.; Luki, neva-ledi, TEL.; Sengeni, Kan.; Longarbi-thiras, Mar.; Htouksha, Burm. A very large tree of South-East Bengal, South India, Burma and the Andamans. Flowers in April, and produces a small, black fruit containing very soft pulp. The fruit is eaten by the Burmese. VITIS. Vitis. THE GRAPE VINE. There are several species of this genus, which, in the Flora of British India, are reduced to the following: Vitis indica, Linn., AMPELIDEE. 811 Confined to the western parts of the Peninsula, from the Konkan southwards. The fruit is round, the size of a large currant. V. lanata, Roxb. 812 "A very variable plant in the size, shape and vestiture of the leaves." Met with in the Himalaya at altitudes from 1,000 to 7,000 feet, also in the hills of Eastern Bengal, the Circars, and Burma. The fruit is round, purple, the size of a large pea. V. vinifera, Linn. 813 THE VINE. Vern.—Angur, dakh, Hind.; Angur-phal, kismis, manakka, Beng.; Draksha, Sans.; Kodi mun-dirippa-sham, Tam.; Drakshapondu, Tel.; Draksha, Mahr.; Sabi-si, Burm.; Lanang, Kanawar.

Supposed to have been originally a native of the region of the Caspian, but very early cultivated in Western Asia. The fruit is a berry growing

#### WITHA-NIA.

in bunches called grapes. It thrives best on the sunny side of hills between 32° and 50° of Latitude.

The most important uses to which the vine is put are the fresh grapes; wine (fermented and unfermented) vinegar, currants and raisins, both of which are the dried fruits.

The vine accommodates easily to artificial treatment, so that it can be

cultivated in almost all climates by much care and trouble.

Cultivated, here and there, in North-West India, and probably wild in

the Himalaya of those parts; rare in the Southern Provinces.

The fruit is eaten raw; largely exported into India from Afghanistan during the winter season. It is kept in wooden, round boxes, arranged in layers. In India it is generally eaten by the well-to-do. In Afghanistan Bellew states that a grape wine is prepared which is consumed by the rich Mussulmans, and a raisin wine for the Hindus. Attempts have been made to manufacture wine in the Punjab on European principles with some success.

#### WALDHEIMIA.

#### 814

## Waldheimia Tridactylites, Kartskir, Compositm.

Vern,-Pallo, LADAK.

"A small plant with a pretty lilac flour, common in Lahoul and

"It is browsed by goats and sheep when under stress of hunger." (Dr. Stewart.)

### WENDLANDIA.

### 815

## Wendlandia exserta, DC., Rubiace E.

Vern.—Chaulai, chila, tila, tilki, HIND.; Kangi, tilki, NEPAL; Kursi, SEONI; Marria, GOND; Filliah, MANDLA.

A small tree in found the dry forests of the sub-Himalayas, Oudh, Orissa, Central and parts of Southern India.

The leaves are given as fodder to cattle in some parts.

#### WITHANIA.

#### 816

## Withania coagulans, Dun, Solanace E.

Vern.—Punirke-bif, Hind.; Ashvagadha, Beng.; Anukhurd-virai, Tam.; Kaknag, Bom.; Spin-bajja, panir, khanijira, Pb.; Panir-bad, Pers.

A small shrub common in the Punjab and Sindh, Afghanistan, and Beluchistan.

Produces small berries used by the natives in curdling milk to make cheese.

### · 817

## W. Somnifera, Dun.

Burr-wood.

**Vern.**—Ak, sin, aksan, PB.

A plant of the drier, sub-tropical parts of India, common westward and inland, rare in Lower Bengal. Browsed by goats.

ZEA.

#### XANTHIUM.

### Xanthium strumarium, Linn., Composita.

818

Bur-weed; Lampourd, Fr.; Spitzklette, Ger.

Syn.—X. INDICUM, Kon. (in Roxb., Fl. Ind., Ed. C. B. C., 660); X. ORIENTALE, L.

Vern.—Bun-otra, Beng.; Isur, chirru, sungtu, PB.; Shankeshvara, Bom.; Marlumulta, TAM.; Veri-tel-nep, TEL.; Aristha, SANS.

A rank weed-like plant, met with everywhere throughout the plains of India, and a source of great annoyance to the cultivator. Common in waste places, river banks, and especially so in the vicinity of villages.

In the United States this plant, in its young state, is often eaten by cattle. It is said to paralyse the heart inducing torpor without pain or struggle.

Xanthochymus pictorius, Roxb. See Garcinia Xanthochymus, Hook. f., Guttifere.

#### XIMENIA.

## Ximenia americana, Willd., OLACINEE.

810

TALSE SANDAL WOOD.

Vern .- Uranechra, TEL. ; Pinlaytsee, BURM.

A straggling shrub of South India, the Circars, Tenasserim, and Andamans.

Produces about the beginning of the hot weather small dull white fragrant flowers, smelling of cloves. These are followed by small oval red or yellow pulpy fruit, an inch long, of an acid-sweet aromatic taste, with some degree of austerity. When ripe, it is eaten by the natives. The kernels (says Roxburgh) are also eaten and taste much like filberts.

#### ZANTHOXYLUM.

## Zanthoxylum Rhetsa, DC., Rutace.

820

821

Syn.—FAGARA RHETSA, R.

Vern.—Rhetsa maum, TEL.; Sessal, MAR.

A large tree of the Western and Eastern Ghâts in South India. Produces very small yellow flowers in the beginning of the hot season, and small round berries which, when unripe, are "aromatic and taste like

the skin of a fresh orange." (Roxb.)
"The ripe seeds taste exactly like black pepper, but weaker." (Roxb.)

#### ZEA.

## Zea Mays, Linn., GRAMINEE.

MAIZE OF INDIAN-CORN.

Vern.—Janar, bhutta, Beng.; Bhutta, makka, makai, junri, bara-juar, kukri, Hind.; Makha-jowari, Dec.; Makka, cholam, Tam.; Makka, sonalu, Tel.

This beautiful, annual, cane-like grass, from 4 to 5 in height, bears a dense head of closely packed grains, the size of peas, enclosed in a sheath called the cob.

A native of South America, which since the discovery of America has been introduced into and cultivated in all tropical and sub-tropical countries and forming in many of them a staple article of food. No other cereal except rice is so extensively cultivated. Though preferring moist

N

ZINGI-BER.

and rich soils, it can be raised in tropical climates, at upwards of 9,000 feet above sea-level. It is produced from the warmest climates of the torrid zone to the short summers of Canada. Besides it ripens at a time when most other grains are harvested, thus affording to the husbandman employment, when otherwise there would be little to do. It stands third in nutritiveness, but some place it second only to wheat.

Largely cultivated in Upper India and the Himalayas.

The seed is sown at the commencement of the rains in manured land, generally in rows, with cucumber or the lesser millets between the rows. The crop requires a moderate but constant supply of moisture, and has

consequently to be irrigated when the rains are deficient.

The cobs are either pulled while green and sold as vegetables to be roasted and the grains eaten; or they are allowed to ripen. In the latter case the grain is threshed out and either parched and eaten, or made into flour and converted into bread. A fine flour called maizena and corn-flour is made from this grain and extensively used as an article of diet for custards, light puddings, &c. But whether as a vegetable, or as a cereal, the maize is a common article of food of a very large section of the population of Northern, Central and Himalayan tracts of India; and it is more in use as a cereal than as a vegetable.

The stalks, which are still green and fresh, serve as cattle fodder; in the former, the stalks are so hard as to be almost useless for any pur-

pose but thatching or perhaps fuel.

In the North-West Provinces the total area under maize is about 718,000 acres in the thirty temporarily-settled districts. No statistics are available as regards the remaining five districts and Oudh, but the cultivation is extended over the whole area. About 6 seers of seed are used to the acre, and the average outturn of grain to the acre may be taken at from 10 maunds in unirrigated to 14 maunds in irrigated land.

A variety called Cusco maise with very large grains was imported. from the Andes in 1875 by the Government of India and largely distributed throughout the country for experimental cultivation. There were many failures and some success, which was especially in Northern India and Ajmere. Mr. Duthie reports that it was successfully cultivated in the Government Garden near Mussoorie, that a hybrid between this latter and the ordinary kind has also been produced, and that the distribution of the hybridised will, no doubt, be the means of improving the quality of the crops in the sub-Himalayan districts.

#### ZEUXINE.

822

Zeuxine sulcata, Lindl., Orchidek.

Vern .- Shwet-huli, BENG.

Dr. Stewart writes:—"This small orchid is common at places throughout the Punjab plains, as elsewhere in India. It generally grows in turfy ground in low parts. I have once been told that its tubers are locally used as Salep by natives."

#### ZINGIBER.

823

Zingiber officinale, Roscoe, Scitaminer.

GINGER.

Vern.—Ada, adroke, Beng.; Adrak, HIND.; Adrukum, SANS.; Ingie, TAM.; Allam, TEL.; Ischi, MAL.

This plant is cultivated in all parts of India, including the outer Himalayan tracts.

ZIZY-PHUS.

The object of the cultivation is the tuberous rhizome, lobed or fingered, known as ginger or 'races of ginger.' From these underground stems proceed reed-like stems clothed with grass-like foljage. In cultivation the cuttings from the preceding year's rhizomes are planted in May and June in a carefully prepared and manured soil of a red heavy nature.

Ginger is sold in every market-place throughout India. Its chief use is as a condiment in curries. It is also pickled; and an excellent preserve is made by cooking the fresh younger roots in syrup.

An infusion of ginger, under the name of ginger-tea, is sold in military cantonments; it is also used largely in the manufacture of an ærated water called gingerade, and in the beer known as gingerbeer.

In this form it constitutes an ingredient in the famous Chinese chow-chow, which the natives of Delhi and other towns have recently taken to imitate in pretty considerable quantities.

The following figures, which are those of the last five years, show that the export trade in ginger has fallen off:—

	Official years.					<u>.  </u>	Quantity in lbs.	Value in Rs.	
1878- <u>7</u> 9 .				•				9,190,945	13,05,246
1879-80	•	•	•	•	•	•	•	6,960,006	9,94,149
1880-81.						•	. 1	4,979,196	6,28,822
1881-82.								3,804,879	5,31,172
1882-83.	•				•		. 1	3,948,622	6,55,542

The following analysis of the exports shows the countries to which exported, the figures being those of 1882-83:—

Province whence exported.	Quantity in lbs.	Country to which exported.	Quantity in lbs.	
Bombay Madras Bengal	1,926,483 1,772,369 249,770	United Kingdom Aden Arabia Persia Ceylon Other countries	1,842,230 823,154 706,549 142,561 128,810 305,318	
TOTAL .	3,948,622	Total .	3,948,622	

#### ZIZYPHUS.

## Zizyphus Jujuba, Lam., RHAMNER.

Jujube, or Chinese Dates.

Vern.—Kil, ber, Hind., Beng.; Bhor, Mar.; Elandap-pasham, yallande, Tam.; Rengha, regi, Tel.; Ziben, Burm.; Yelchi, Kan.

A small, stiff-branched, hooked, thorny tree, common throughout India and Burma, wild and cultivated.

The fruit is ovate, with a central stone surrounded by a fleshy edible layer. It is the Indian plum of most authors, and is eaten by all classes of people, and also largely preserved in chutney.

It yields an excellent dessert fruit, of which many varieties are culti-

vated, especially in China.

#### ZYGO-PHILLUM.

825

Zizyphus nummularia, W. & A.

Vern.-Karkanna, AFG.; Malla, ber, jhari, kanta, N. W. P.; Gange. jangra, SIND.; Parpalli, KAN.

Drier parts of the Punjab, Guzerat, Deccan and Konkan.

The fruit is small, round and very inferior to the preceding. It is eaten by the poorer people, especially in seasons of scarcity. In parts of the Punjab and Deccan, where fodder is scarce, the leaves are beaten off the branches and given as fodder to cattle.

826

#### Z. Œnoplia, Mill.

Vern.—Shyakul, Beng.; Makai, HIND.; Barokoli, URIYA; Irun, C. P.; Parami, Tel.; Tauseenway, Burm.

A straggling shrub met with throughout the hotter parts of India, from the Punjab to Assam and Ceylon.

The fruit of this species is also eaten.

827

## Z. rugosa, Lamk.

Syn.—Z. LATIFOLIA, Roxb.

Vern.—Dhaura, Oudh; Suran, C. P.; Rukh baer, NEPAL.

A large, scrambling shrub of the sub-Himalavan tract, met with from the Ganges eastward to Assam, Sylhet, to Burma, Central and South

The fruit is eaten by the natives.

828

## Z. vulgaris, Lamk.

Syn.—Z. FLEXUOSA, Wall.

Vern.—Sinjli, simli, ban, HIND.

A stiff-branched, hooked, spiny shrub or small tree of the Punjab extending to Bengal, and ascending in the North-Western Himalaya to 6,000 feet. It occurs wild and cultivated.

The fruit is eaten by the natives, acid when fresh, but dried, this and Z. Jujuba form the jujubes of the shops and as such eaten in large quantities by Europeans. The lozenges known as jujubes were either manufactured from or flavoured with them. They are taken to allay cough.

This is supposed to be the thorn from which Christ's "Crown of Thorns"

was made. It is cultivated in gardens.

820

### Z. xylopyra, Will.

Vern.—Kather, beri, goti, chittania, sitaber, ghont, HIND.; Goti, TEL.; Bhor-goti, MAR.

A large, scrambling shrub found in the sub-Himalayan tract and in Central and South India.

The fruit is not eatable. The kernels, according to Roxburgh, taste like filberts, and are eaten by natives. The shoots and leaves are eaten by cattle.

#### ZYGOPHILLUM.

830

## Zygophillum simplex, Linn., Zygophyllex.

Vern.—Alethi, PB.

A prostrate, much-branched herb of the arid, sandy tracts in Sind and the Punjab.

The seeds are swept up from the ground by the nomad tribes and used as food under the above name.

The smell is so detestable that no animal will eat the foliage.

## ECONOMIC PRODUCTS OF INDIA.

## Index to Foods, Food-stuffs, and Fodders.

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                                    , Anacardiace.
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Apple Rose, Eng., Eugenia Jambos, Linn., MYRTACER.

Foods
Apricot, Eng., Prunus armeniaca, Linn., Rosace E.

Foods Apúrs, Beluchistan, Juniperus excelsa, M. Bieb., Conifera.

Aradal, Kan., Garcinia Cambogia, Desr., GUTTIFERE.

Foods
Aradal, Kan., Garcinia Morella, Desr., Guttiferæ.

Foods
Arand-kharbuza, Pb., Carica Papaya, L., Passiflore E.

Foods
Arar, Hind., Randia dumetorum, Lam., RUBIACE.E.

Foods . Ararit gaddalu, Tel., Curcuma angustifolia, Roxb., SCITAMINER. Foods .

Ararut-ke-gadde, Dec., Curcuma angustifolia, Roxb., Scitamine... Foods .

Ararút-kishangu, Tam., Curcuma angustifolia, Roxb., Scitamine.s. Foods

Arasa, Tam., Ficus religiosa, Linn., URTICACEE.
Foods

Aravi-mamadi, Tel., Spondias mangifera, Pers., ANACARDIACE.E. Foods

Archaká, Beng., Sonneratia acida, Linn., LYTHRACE E. Foods

Ardáwal, Pb., Rhododendron arboreum, Sm., ERICACE.E. Foods

Areka, Tam., Bauhinia racemosa, Lam., Leguminos... Foods

Arend, Hind., Ricinus communis, Linn., EUPHORBIACE A. Foods

Arhar, N.-W. P. & Oudh., Cajanus indicus, Spreng., LEGUMINOS.E. Foods .

Arhuku, Sans., Cajanus indicus, Spreng., LEGUMINOS.E. Foods

Ari, Pb., Viburnum nervosum, Don., CAPRIFOLIACEÆ. Foods

Ari, Tel., Bauhinia racemosa, Lam., LEGUMINOS.E. Foods

Ariabepon, Mal., Melia Azadirachta, Linn., Meliacez. Foods .

Aring, Raj., Acacia leucophlæa, Willd., Leguminos.e. Foods

Arisi, Tam., Oryza sativa, Linn., GRAMINE E. Foods .

Aristha, Sans., Xanthium strumarium, Linn., Composita. Foods

Arjan, Pb., Ulmus integrifolia, Roxb., URTICACE A. Foods

Arjha, Sun., N. Ind., Crotalaria juncea, Linn., LEGUMINOS.E. Foods

Arjin, Hind., Ehretia acuminata, Br., BORAGINEÆ.
Foods

Arkhar, Pb., Rhus semi-alata, Murray, ANACARDIACE E. Foods

Arkol, Pb., Rhus semi-alata, Murray, ANACARDIACE.E. Foods

Arni, Hind., Premna integrifolia, Linn., VERBENACE.E. Foods

Aroz, Lat., Por. and Sp., Oryza sativa, Linn., GRAMINE E.

Arro, Tel., Bauhinia racemosa, Lam., LEGUMINOSÆ. Foods

Arrowroot, South Sea, Eng., Tacca pinnatifida, Forsk., TACCACE.E. Foods

Arrowroot, Wild or East Indian, Eng., Curcuma angustifolia, Roxb., Scitamine E. Foods

Artichoke, Eng., Cynara Scolymus, Linn., Compositæ. Foods

Artichoke, Jerusalem, Eng., Helianthus tuberosus, Linn., Composita.

Foods

Artso, Pb., Himalaya & Afg., Rheum Emodi, Wall., POLYGONACE.E. Foods

Aru, Pb., Prunus persica, Benth. & Hook., ROSACE E. Foods

Arugam-pilla, Tam., Cynodon Dactylon, Pers., GRAMINE.E. Foods

Arugu, Tel., Paspalum scrobiculatum, Linn., GRAMINE E.

Foods
Arunilli, Tam., Phyllanthus distichus, Müll., Arg., Euphorbiace E.

Foods .

Arus, Sans., Adhatoda Vasica, Nees, Acanthacer.

Foods .

Arusha, Hind., Adhatoda Vasica, Nees., ACANTHACE R. Foods

Aruz, Arab., Oriza sativa, Linn., GRAMINEÆ.

Foods Arzan, Pb., Pers., Panicum miliaceum, Linn., GRAMINE.E.

Foods
Asafœida, Eng., Ferula Narthex, Boiss., UMBELLIFERÆ.

Foods . Asainda, Hind., Ougeinia dalbergioides, Benth., LEGUMINOS.E. Foods

Asam, Mysore., Tamarindus indica, Linn., LEGUMINOSÆ. Foods

Asán, Bom., Pterocarpus Marsupium, Roxb., Leguminos.e. Foods

Asan, Hind., Terminalia tomentosa, W. & A., COMBRETACE.E. Foods

Asari, Nep., Mussœnda frondosa, Linn., RUBIACEÆ. Foods

Aselu, Nep., Rubus lasiocarpus, Smith, ROSACEÆ.
Foods

Aselu, Nep., Rubus lineatus, Reinw., ROSACE E.

Asereki, Tel., Phyllanthus emblica, Linn., EUPHORBIACE.E. Foods

Ash, Eng., Fraxinus Xanthoxyloides, Wall., OLEACE.E. Foods

Asham lagam, Tam., Carum Roxburghianum, Benth., UMBELLIFERE. Foods

Ashathwa, Beng., Ficus religiosa, Linn., URTICACE.E. Foods

Ashta, Hind., Bauhinia racemosa, Lam., LEGUMINOS.E.

Ashń-kachń, Hind., Beng., Colocasia antiquorum, Schott., AROIDEÆ. Foods

Ashvagadha, Beng., Withania coagulans, Dun., Solanace E. Foods

Ashwal, Beng., Vitex leucoxylon, Linn., VERBENACE.E. Foods

Asmania, Pb., Ephedra Gerardiana, Wall., GNETAGE ...

Foods .

Asna, Hind., Terminalia tomentosa, W. & A., Combretacese.

Foods
Asphal, Beng., Nephelium Longana, Camb., SAPINDACEE.
Foods

Asparagus, Eng., Asparagus officinalis, Willd., LILIACE E.

Foods .

Assain, Hind., Terminalia tomentosa, W. & A., COMBRETACI

Assain, Hind., Terminalia tomentosa, W. & A., COMBRETACEA.
Foods

Assu, Pb., Eruca sativa, Lam., CRUCIFERE. Foods

Asúd, Beng., Ficus religiosa, Linn., URTICACE E. Foods

Aswat, Beng., Ficus religiosa, Linn., URTICACE A. Foods

Atanday, Tam., Capparis horrida, Linn., CAPPARIDER.

Ati, Tam., Bauhinia racemosa, Lam., LEGUMINOS.E. Foods

Atrúna, Bom., Flacourtia sepiaria, Roxb., BIXINER.

Atsu, Pb., Himalaya & Afg., Rheum Emodi, Wall., Polygonace E. Foods

Atta, Mal., Anona squamosa, Linn., ANONACE.E. Foods

Atti, Tam., Ficus glomerata, Roxb., URTICACE.E.

Auga, N.-W. P., Rraxinus xaothoxyloides, Wall., OLEACE E. Foods

Aúlsi, Arab., Aloe vera, Linn., var. officinalis, sp. Rorsk., Liliaobr. Foods .

Aura, Hind., Phyllanthus emblica, Linn., EUPHORDIACE.

Auri, N.-W. P., Colocasia antiquorum, Schott., AROIDE M. Foods

Aus, Pb., Ribes rubrum, Linn., SAXIFRAGAGE E. Foods

Auza, Burm., Anona squamosa, Linn., Anonace A. Foods

Avalo, Tel., Brassica nigra, Koch., CRUCIFERE.

Foods
Avisi, Tel., Sesbania grandiflora, Pers., LEGUMINOS.R.
Foods

Awani-buti, Pb., Ballota limbata, Benth., LABIATÆ. Foods

Aya, Tam., Ulmus integrifolia, Roxb., URTICACE E. Foods

Ayeni, Mal., Artocarpus hirsuta, Lamk., URTICACE E. Foods

Ayma, Tam, Careya arborea, Roxb., MYRTACE E. Foods

Azhinji, Tam., Alangium Lamarckii, Thwaites, CORNACE E. Foods

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Bahassa, Tel., Hydrocotyle asiatica, Linn., UMBELLIFERE. Foods

Babbil, Pb., Acacia Jacquemontii, Benth., LEGUMINOS.E. Foods

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Babbos, Sind, Acacia arabica, Willd., LEGUMINOSE.
    Foods
Babela, Pers., Terminalia belerica, Roxb., COMBRETACE E.
    Foods
Babhúla, Bom., Acacia arabica, Willd., LEGUMINOSE.
    Foods
Babla, Hind., Beng., Dec., Acacia arabica, Willd., LEQUMINOS.E.
    Foods
Babui tulsi, Beng., Hind., Ocimum Basilicum, Linu., LABIATA.
    Foods
Bábúl, Hind., Beng., Dec., Acacia arabica, Willd., LEGUMINOS.E.
    Foods
Babul, Pb., Acacia Jacquemontii, Benth., LEGUMINOS.A.
Baburi, Pb., Ocimum sanctum, Lizn., LABIATE.
    Foods
Bach, Beng., Hind., Acorus Calamus, Linn., AROIDE E.
     Foods
Bacha, Bom., Salix tetrasperma, Bom., SALICINEA.
     Foods
Bachang, Malay., Mangifera foetida, Lour., ANACARDIACE.
     Foods
Badám,
             , Prunus amygdalus, Baillon., Rosace E.
     Foods
Badam, Beng., Terminalia Catappa, Linn., COMBRETACE.
     Foods
Bádám-chiner, Beng., Arachis hypogæa, Linn., LEGUMINOSÆ.
     Foods
Bádám, Hijli, Beng., Anacardium occidentale, Linn., ANACARDIACE.
     Foods
Badam Jangli, Hind., Canarium commune, Linn., Burserace E.
Badam, Jangli, Hind., Sterculia fœtida, Linn., STERCULIACE A.
     Foods
 Badam, Jangli, Hind., Terminalia chebula, Rets., COMBRETACE A.
     Foods
 Bádar, Kashmir, Him. name, Abies Webbiana, Lindl., CONIFERE.
     Foods
 Badar, Pb., Picea Webbiana, Lamb., CONIFERE.
     Foods
 Badar, Hind., Pueraria tuberosa, DC., LEGUMINOS E.
     Foods
 Badar, Afg., Taxus baccata, Linn, CONIFERE.
     Foods
 Badha, Pb., Ficus cordifolia, Rozb., URTICACEE.
     Foods
 Badha, Pb., Salix tetrasperma, Roxb., SALICINE A.
 Bádiánkhatái (fruit), Bom., Illicium anisatum, Linn., MAGNOLIACE.
 Bádshahi-lac, Hind., Brassica juncea, H. F & T. T., CRUCIERRA.
     Foods
 Bael Fruit, Eng., Ægle Marmelos, Correa., RUTACE Z.
     Foods
 Bága, Tam., Acacia catechu, Willd., LEGUMINOSÆ.
 Baghankara, Beng., Alangium Lamarckii, Thwaites, CORNACE E.
     Foods
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Bagri (fruit), Pb., Phœnix dactylifera, Linn., PALMÆ.

Bagul, Nep., Holbællia latifolia, Wall., Berberidez.

Foods

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Bahan, Sind, Pb., Populus euphratica, Olivier, SALICINE E.
    Foods
Bahava, Bom., Sind, Casia Fistula, Linn., LEGUMINOSÆ.
    Foods
Baherá, Hind, Terminalia belerica, Roxb., COMBRETACEÆ.
    Foods
Bahul, Hind., Grewia oppositifolia, Roxb., TILIACEA.
    Foods
Baigun, Hind., Solanum melongena, Linn., SOLANACE E.
    Foods
Baikain, Hind., Melia Azedarach, Linn., MELIACE E.
    Foods
Baikal gajachinni, C. P., Celastrus senegalensis, Lam., CELASTRINEÆ.
    Foods
Bail, Simla, Salix elegans, Wall., Koch., SALICINE E.
    Foods
Bains, N.-W. P. and Oudh, Salix tetrasperma, Roxb., SALICINE E.
    Foods
Bairada, And., Rhizophora mucronata, Lamk., RHIZOPHORE E.
     Foods
Baishi, Hind., Salix tetrasperma, Roxb., SALICINE E.
Bajar-bang, Pb., Physochlaina præalta, Hook. f., SOLANACE E.
    Foods
Bajra, Hind., Pennisetum typhoideum, Rich., GRAMINEÆ.
    Foods
Bajra, Bundelkhand, Sorghum halepense, Pers., GRAMINE E.
    Foods
Bajra-jhupanwa, N.-W. P. and Oudh, Sorghum vulgare, Pers., GRAMINE &
    Foods
Bájri, Hind., Deccan, Pennisetum typhoideum, Rich., GRAMINE E.
    Foods
Bajur, Pb., Picea Webbiana, Lamb., CONIFERÆ.
     Foods
Bak, Beng., Sesbania grandiflora, Pers., LEGUMINOSÆ.
     Foods
Bakainu, Nep., Melia Azedarach, Linn., MELIACEÆ.
     Foods
 Bakarcha, Garhwal, Premna integrifolia, Linn., VERBENACE &.
     Foods
Bakas, Beng., Adhatoda Vasica, Nees., ACANTHACE E.
     Foods
 Bakas-puttah, Tam., Agave americana, Linn., AMARYLLIDE E.
     Foods
 Bakhra, Pb., Tribulus alatus, Delile., ZYGOPHYLLE R.
     Foods
 Bakhtmal, Pb., Psoralea plicata, Delile., LEGUMINOSÆ.
     Foods
 Bakkiamela, Nep., Rhus semi-alata, Murray, ANACARDIACE A.
     Foods
 Bakru, Pb., Lonicera quinquelocularis, Hardwicke, CAPRIFOLIACE E.
     Foods
 Bakshel, Pb., Salix tetrasperma, Roxb., SALICINE A.
     Foods
 Bakuli, Bom., Mimusops Elengi, Linn., SAPOTACEÆ.
 Balai, Kan., Diospyros melanoxylon, Roxb., EBENACEÆ.
     Foods
 Balanja, Pb., Calligonum polygonoides, Linn., Polygonace E.
     Foods
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Balda, Dec., Terminalia belerica, Roxb., COMBRETACEÆ.

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Coriaria nepalensis, Wall., CORIARIEÆ.
Balel,
    Foods
Balra, Dec., Terminalia belerica, Rozb., COMBRETACEE.
    Foods
Balsam, Garden, Eng., Impatiens Balsamina, Linn., GERANIACE E.
    Foods
Balut, Afg., Quercus Ilex, Linn., CUPULIFERE.
    Foods
Bamboo, Eng., Arundinaria Hookeriana, Munro, GRAMINE E.
    Foods
Bamboo, Eng., Bambusa arundinacea, Rets., and other species GRAMINE.
    Foods
Bamboo Male, Eng., Dendrocalamus strictus, Nees, GRAMINE E.
Bambway, Burm., Careya arborea, Roxb., MYRTACE E.
    Foods
Bammewa, Pb., Elæagnus umbellata, Thunb., ELÆAGNEÆ.
    Foods
Bamsutu, Kashmir, Cydonia vulgaris, Tourn., ROSACE E.
    Foods
Bamtsunt, Kashmir, Cydonia vulgaris, Tourn., ROSACE E.
    Foods
Bamul, Pb., Acacia Jacquemontii, Benth., LEGUMINOSÆ.
    Foods
Bamya, Arab., Pers., Hibiscus esculentus, Linn., MALVACE E.
    Foods
Ban, Hind., Zizyphus vulgaris, Lamk., RHAMNER.
    Foods
Ban, Pb., Quercus dilitata, Lindl., CUPULIFERA.
    Foods
Ban, Pb., Quercus Ilex, Linn., CUPULIFERÆ.
    Foods
Ban, Pb., Quercus incana, Roxb., CUPULIFERE.
    Foods
Banakhor, Pb., Aralia achemirica, Dene., ARALIACE E.
Banana, Eng., Musa sapientum, Linn., Scitamme A.
    Foods
Banchir, Pb., Syringa Emodi, Wall., OLEACE E.
    Foods
Banchor, Pb., Euonymus fimbriatus, Wall., CELASTRINE E.
    Foods
Banda, Pb., Hedera Helix, Linn., ARALIACE E.
    Foods
Banda, N.-W. P., Heteropogon contortus, R. & S., GRAMINER.
    Foods
Bandar, Pb., Capparis spinosa, Linn., LEGUMINOS.R.
Bandara, Tel., Hymenodictyon excelsum, Wall., RUBIACE E.
    Foods
Bandarlati, Beng., Cassia Fistula, Linn., LEGUMINOS.E.
Bandhenras, Beng., Hibiscus ficulneus, Linn., MALVACE.R.
    Foods
Bandhona, Uriya, Ougeinia dalbergioides, Benth., LEGUMINOS.E.
    Foods
Bandolat, Cachar., Cassia Fistula, Linn., LEGUMINOS.E.
    Foods
Bandukei, Pb., Equisetum debile, Roxb., EQUISETACE.E.
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Bane, Trans-Indus, Periploca aphylla, Dene., ASCLEPIADE A.

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Banga, Nep., Quercus lanuginosa, Don., Cupulifera.
    Foods
Bang-sarson, Hind., Brassica campestris, Linn., var. Napus, sub-var.
    glauca, CRUCIFERE. Foods
Ban-gulab, Hind., Rosa macrophylla, Lindl., Rosace E.
    Foods
Bandt, Surat, name for a form of Pennisetum typhoideum, Rich.,
    GRAMINEÆ. Foods
Bani katús, Nep., Caslanopsis indica, A. DC., CUPULIFERE.
Ban-kagri, Pb., Podophyllum emodi, Wall., BERBERIDÆ.
    Foods
Bankas, Hind., Pollinia eriopoda, Hance., GRAMINE E.
Bankass, Eng., Pollinia eriopodo, Hance., GRAMINEE.
    Foods
Banket, Garo, Ficus bengalensis, Linn., URTICACER.
Bankhor, Hind., Pb., Æsculus indica, Colebr., SAPINDACE E.
    Foods
Bankunch, Pb., Viburnum cotinifolium, Don., CAPRIFOLIACE ...
Ban-mehal, Hind., Pyrus baccata, Linn., ROSACER.
    Foods
Ban-nimbu, Hind., Glycosmis pentaphylla, Correa., RUTACE E.
Ban-pala, Pb., Pyrus kumaoni, Dene., Rosace A.
    Foods
Banpálu, Him. name, Corylus colurna, Linn., CUPULIFERA.
    Foods
Bán-phúnt, Pb., Syringa emodi, Wall., OLEACE A.
    Foods
Ban-potal, Beng., Trichosanthes cucumerina, Linn., CUCURBITACEA.
    Foods
Banraj, Beng., Bauhinia racemosa, Lam., LEGUMINOSA.
    Foods
Ban-rithá, Beng., Acacia concinna, DC., LEGUMINOSÆ.
    Foods
Bans, Beng., Hind., Bambusa arundinacea, Rets., and other species.
    GRAMINEÆ. Foods -
Bans, Hind., Dendrocalamus strictus, Nees, GRAMINE A.
    Foods
Bansa, Hind., Albizezia odoratissima, Benth., LEGUMINOSE.
    Foods
Bansi, N.-W. P., Panicum miliaceum, Linn., GRAMINE E.
Bans kaban, Hind., Dendrocalamus strictus, Nees, GRAMINE E.
Bans keora, Tam., Agave americana, Linn., AMARYLLIDE E.
    Foods
Bantil, Pb., Impatiens Balsamina, Linn., MAGNOLIACE A.
    Foods
Banyan Tree, Eng., Ficus bengalensis, Linn., URTICACE E.
Baobab Tree, Eng., Adansonia digitata, Linn., MALVACE A.
Bar, Hind., Ficus bengalensis, Linn., URTICACE.E.
    Foods
Bara, Bundelkhand, Sorghum halepense, Pers., GRAMINE ...
    Foods
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Barachar, Pb., Quercus dilitata, Lindl., CUPULIFERE.

Bara flawar, Ass., Caryota urens, Willd., PALME. Foods Bara gorakuri, Nep., Viburnum coriaceum, Bl., CAPRIFOLIACE A. Foods Bara-joman, Nep., Eugenia formosa, Wall., MYETACEÆ. Foods Bara-juar, Hind., Zea Mays, Linn., GRAMINER. Foods Baran, Pb., Taraxacum officinale, Wigg., CGMPOSITE. Foods Baranj, Pers., Oryza sativa, Linn., GRAMINEÆ. Bara-salpan, Beng., Elemingia conjesta, Roxb., Leguminos.E. Foods Barat, Pb., Dolichos biflorus, Linn., LEGUMINGS.E. Foods Barbara, Sans., Acacia arabica, Willd., LEGUMINOS.E. Foods Barbati, Beng., Vigna Catiang. Endl., LEGUMINOS.E. Foods Barberry, Eng., Berberis aristata DC., and B. Lycium, Royle, BERBERIDE E. Foods Barchar, Pb., Quercus semicarpifolia, Smith, CUPULIFERE. Foods Barethi, Beng., Panicum paludosum, Roxb., GRAMINER. Foods Bargat, Hind., Ficus bengalensis, Linn., URTICACEA. Foods Barhal, Hind., Artocarpas Lakucha, Roxb., URTICACE A. Foods Barhingori, Ass., Castanopsis tribuloides, A. DC., CUPULIFERE. Foods Bariál, Hind., Bauhinia variegata, Linn., LEGUMINOSA. Foods Bari boj, Pb., Acorus Calamus, Linn., AROIDE E. Foods Bárik-tél, Dec., Sesamum indicum, Linn., PEDALINEA. Bari manhári, Pb., Solanum coagulans, Forsk., SOLANACE E. Foods Bari-shopha, Bom., Forniculum vulgare, Gartn., UMBELLIFERA. Foods Barlái, Hind., Brassica juncea, H. F. & T. T., CRUCIFERE. Foods Barli-arisi, Tam., Hordeum vulgare, Linn., GRAMINEÆ. Foods Barma, Kashmir, Taxus baccata, Linn., CONIFERE. Foods Barokoli, Uriya, Zizphus Œnoplia, Mill., RHAMNEÆ. Foods Baroli, Mahr., Indigofera pulchella, Roxb., LEGUMINOSA. Foods Barrarra, Trans-Indus, Periploca aphylla, Done., ASCLEPIADER. Foods Barsanga, Beng., Murraya Koenigii, Spr., RUTACEE. Foods Bartoodi, Bom., Morinda citrifolia, Linn., RUBIACEE. Foods Bartu, Pb., Hymenodictyon excelsum, Wall., RUBIACE A. Foods

Baru, Pb., Skimmia Laureola, Hook., RUTACEÆ.

Barua, Pb., Sorghum halepense, Pers., GRAMINE E. Foods

Barumbiss, Tel., Imperata arundinacea, Cyrill., GRAMINEÆ. Foods

Bas, Bom., Dendrocalamus strictus, Nees., GRAMINEÆ.
Foods

Basaunta, N.-W. P., Panicum helopus, Trin., GRAMINE E. Foods

Bashal, Pb., Salix daphnoides, Vill., SALICINE E.

Bashang arús, Him. name, Adhatoda Vasica, Nees., ACANTHACEÆ. Foods

Basil, sweet or common, Ocimum Basilicum, Linn., LABIATÆ. Foods

Basia, Pb., Cenchrus echinatus, Linn., GRAMINE E. Foods

Basna, Hind., Sesbania grandiflora, Pers., LEGUMINOS.E. Foods

Bassar, Pb., Caparis spinosa, Linn., CAPPARIDER. Foods

Bastard Cedar, Eng., Melia Azedarach, Linn., MELIACE R. Foods

Bastard Jute, Eng., Hibiscus cannabinus, Linn., MALVACEE. Foods

Bastra, Hind., Callicarpa lanata, Wall., VERBENACE E. Foods

Basúti, Him. name, Adhatoda Vasica, Nees., Acanthace E. Foods .

Batata, Bom., Solanum tuberosum, Linn., SOLANACE.E.
Foods

Cityun dogumena Willd During and

Batavi nebu, Citrus decumana, Willd., RUTACER. Foods

Batkar, Pb., Celtis caucasica, Willd., URTICACE E. Foods .

Batra, Dec., Terminalia belerica, Roxb., COMBRETACE E. Foods .

Batwasi, Nep., Flemingia congesta, Roxb., Leguminos. E. Foods

Bather, Pb., Grewia salvifolia, Heyne, TILIACE E. Eoods

Bathor, Pb., Viburnum cotinifolium, Don., CAPRIFOLIACE E. Foods

Bathua, Pb., Chenopodium album, L., CHENOPODIACEÆ.

Bathia, Thelum & Chenab, Periploca aphylla, Done., ASCLEPIADE A. Foods .

Bauri, Pb., Capparis spinosa, Linn., CAPPARIDE E. Foods .

Baus, Pb., Oxybaphus Himalaicus, Edge., NYCTAGINEÆ. Foods .

Bávache, Sind, Flacourtia Ramontchi, L'Herit., BIXINEÆ. Foods

Baxthoa, Pb., Hymenodictyon excelsum, Wall., Rubiace ж. Foods

Bazrul, Beng., Hind., Hyocyamus niger, Linn., Solanace E. Foods .

Bead Tree, Eng., Melia Azederach, Linn., MELIACEÆ. Foods

Beans, French, Eng., Phaseolus vulgaris, Linn., LEGUMINOS.E.

Bean, Negro, Eng., Mucuna monosperma, DC., LEGUMINOSÆ. Foods

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Bean, Sword, Eng., Canavalia ensiformis, DC., LEGUMINOS.E.
    Foods
Bed, Pers., Calamus Rotang, Linn., PALME.
    Foods
Bed, Pb., Salix daphnoides, Vill., SALICINE E.
    Foods
Bed, Hind., Salix tetrasperma, Roxb., SALICINE A.
    Foods
Beebla, Bom., Pterocarpus Marsupium, Roxb., Leguminos.
    Foods
Begoon, Beng., Solanum melongena, Linn., SOLANACE E.
    Foods
Beg-pura, Beng., Citrus medica, Linn., RUTACER.
    Foods
Behor báns (Duthie), Bambusa spinosa, Roxb., GRAMINE E.
    Foods
Bekkra, Hind., Prinsepia utilis, Royle, ROSACEE.
    Foods
Bekling, Kanawar, Prinsepia utilis, Royle, ROSACE.E.
Bel, Hind., Beng., Ægle Marmelos, Correa., RUTACE E.
    Foods
Bela, Bom., Ægle Marmelos, Correa., RUTACER.
    Foods
Belati-radhúni.
                     Pimpinella Anisum, Linn., UMBELLIFERA.
    Foods
Belgaum, Eng., Aleurites moluccana, Willd., EUPHORBIACE A.
    Foods
Bell, Hind., Lemonia acidissima, Linn., RUTACER.
    Foods
Bell, Pb., Ribes nigrum, Linn., SAXIFRAGACER.
    Foods
Bellari, Sind, Mukia scabrella Arn., Cucurbitace. ...
Ben, Burm., Amomum subulatum, Roxb., Scitamine. R.
    Foods
Bena (the plant), Beng., Hind., Andropogon muricatus, Rets., GRAMINE R.
    Foods
Bena-gundha, Beng., Andropogon Scheenanthus, Linn., GRAMINE A.
    Foods
Benarai, Hind., Brassica nigra, Koch., CRUCIFERE.
    Foods
Bengha, Kan., Albizzia Lebbek, Benth., LEGUMINOSÆ.
    Foods
Benne oil, Eng., Sesamum indicum, Linn., PEDALINE E.
    Foods
Bent, Hind., Salix tetrasperma, Roxb., SALICINER.
    Foods
Bentha, Him. name, Juniferus communis, Linn., CONIFERE.
    Foods
Ber, Pb., Capparis spinosa, Linn., CAPPARIDE E.
    Foods
Ber, Hind., Ficus bengalensis, Linn., URTICACER.
    Foods
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Ber, Hind., Beng., Zizyphus Jujuba, Lam., RHAMNER.

Bér, N.-W. P., Zyzyphus nummularia, W. & A., RHAMNE R.

Berfa, W. Tibet, Populus balsamifera, Linn., SALICINE ...

Beri, Hind., Zizyphus xylopyra, Will., RHAMNER.

Foods

Foods

Foods

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Bersa, Hind., Albiezzia odoratissima, Benth., LEGUMINOSE.
    Foods
Beru, Hind., Ficus virgata, Roxb., URTICACE E.
    Foods
Bet, Beng., Hind., Calamus Rotang, Linn., PALMA.
    Foods
Betain, Kumaun, Melia Azadirachta, Linn., Meliace ...
    Foods
Betain, Hind., Melia Azedarach, Linn., MELIACEE.
    Foods
Beta mu, Tel., Calamus Rotang, Linn., PALME.
    Foods
Betar, Him. name, Juniferus communis, Linn., Conffere.
Betel Palm, Eng., Areca Catechu, Linn., PALME.
Betsa, Pb., Salix daphnoides, Vall., SALICINE R.
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    Foods
Betu-sag, Beng., Chenopodium album, L., CHENOPODIACEE.
    Foods
Beymadá, And., Albizzia Lebbek, Benth., LEGUMINOSA.
    Foods
Bhabar, Hind., Pollinia eriopoda, Hance., GRAMINER.
    Foods
Bhádli, Deccan, Setaria glauca, Beauv., GRAMINER.
    Foods
Bhadras, Nep., Elæocarpus laneæfolius, Rozb., Tiliace.
    Foods
Bhagmili, Neb., Rhus semi-alata, Murray, ANACARDIACEE.
    Foods
Bhagur, Deccan, Amarantus spicatus, Amarantace.
    Foods
Bhains, Simla, Salix elegans, Wall, Koch., SALICINE E.
Bhaira, Hind., Terminalia belerica, Roxb., COMBRETACE E.
    Foods
Bhalena, Hind., Hymenodictyon excelsum, Wall., RUBIACER.
    Foods
Bhalia, Beng., Hind., Flemingia conjesta, Roxb., LEGUMINOS.E. ...
    Foods
Bhamina, Hind., Hymenodictyon excelsum, Wall., Rubiace.
Bhandir, Hind., Albizzia odoratissima, Benth., LEGUMINOSA.
   Foods
Bhandra, N.-W. P. & Pb., Setaria glauca, Beauv., GRAMINE E.
    Foods
Bhandri, N.-W. P. & Pb., Setaria glauca, Beauv., GRAMINER.
    Foods
Bhang, Beng., Cannabis sativa, Linn., URTICACE ...
    Foods
Bhanjra, Bundelkhand, Apluda aristata, Linn., GRAMINER.
Bhanjuri, Bundelkhand, Apluda aristata, Linn., GRAMINEA.
   Foods
Bhanjuri, N.-W. P., Eleonurus hirsutus, Vahl., GRAMINER.
Bhanwar, Pb., Ipomæa eriocarpa, Br., Convolvulace ...
   Foods
Bhara, Beng., Rhizophora mucronata, Lamk., RHIZOPHORBE.
   Foods
Bharree, Aligarh, Eragrostis Brownei, Nees., GRAMINEE.
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Bharwi, Upper Ind., Imperata arundinacea, Cyrill., GRAMINE ...
    Foods
Bhat, Hind., Glycine soja, Sieb, & Zucc., LEGUMINOSE.
    Foods
Bhat (boiled), Hind., Beng., Oryza sativa, Linn., GRAMINE E.
   Foods
Bhat-kukra, Kumaun, Lonicera quinquelocularis, Hardwicke,
    CAPRIFOLIACE A. Foods
Bhatreri, Hind., Ricinus communis, Linn., Euphorbiace ...
    Foods
Bhaulan, Hind., Hymenodictyon excelsum, Wall., RUBIACER.
    Foods
Bhawa, Dec., Cassia Fistula, Linn., LEGUMINOS.E.
    Foods
Bhe, Bhutia, Fagopyrum emarginatum, Meisn., Polygonace B.
    Foods
Bhekkar, Him. name, Adhatoda Vasica, Nees, ACANTHACE E.
    Foods
Bhekal, Hind., Prinsepia utilis, Royle, ROSACER.
    Foods
Bhela, Beng., Semecarpus Anacardium, Liun., ANACARDIACE.R.
    Foods
Bhela bhilawa, Hind., Semecarpus Anacardium, Linn., ANACARDIACE A.
    Foods
Bhelatuki, Beng., Semecarpus Anacardium, Linn, Anacardiace A. -
    Foods
Bhéubin, Burm., Cannabis sativa, Linn., URTICACER.
    Foods
Bhenda, Hind., Bom., Hibiscus Abelmoschus, Linn., MALVACEE.
Bhengal, Hind., Grewia oppositifolia, Roxb., TILIACER.
    Foods
Bhenwa, Hind., Grewia oppositifolia, Roxb., TILIACE E.
    Foods
Bherda, Mar., Terminalia belerica, Roxb., Combretace.
    Foods
Bhesh, Garo, Salix tetrasperma, Roxb., SALICINE A.
    Foods
Bheyla, Hind., Semecarpus Anacardium, Linn., ANACARDIACE.
    Foods
Bhi, Ass., Salix tetrasperma, Roxb., SALICINE A.
    Foods
Bhimal, Hind., Grewia oppositifolia, Roxb., TILIACER.
    Foods
Bhindi, Hind., Hibiscus esculentus, Linn., MALVACE A.
    Foods
Bhohar, Hind., Hymenodictyon excelsum, Wall., Rubiace R.
    Foods
Bhokar, Hind., Cordia Myxa, Linn., BORAGINER.
    Foods
Bhoostrinung, Sans., Andropogon Scheenanthus, Linn., GRAMINER.
    Foods
Bhor, Mar., Zizyphus Jujuba, Lam., RHAMNER.
    Foods
Bhorans, Nep., Rhododendron arboreum, Sm., ERICACE. R.
   Foods
Bhor-goti, Mar., Zizyphus xylopyra, Will., RHAMNER.
    Foods
Bhotia badam, Him. name, Corylus colurna, Linn., CUPULIFERE.
Bhotiya badam, Almora, Prunus communis, Huds., var. Domestica.
   ROSACEAE: Foods
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Foods

Foods

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Bhuimiga, Bom., Arachis hypogæa, Linn., LEGUMINOSÆ.
     Foods
 Bhuisenga, Bom., Arachis hypogæa, Linn., LEGUMINOSÆ.
     Foods
 Bhuj, Pb., Betula Bhojpattra, Wall., CUPULIFERE.
     Foods
 Bhujpattra, Hind., Betula Bhojpattra, Wall., CUPULIFERE.
     Foods
 Bhumphor, Pb., Tulipa stellata, Hook., LILIACE A.
     Foods
 Bhurbhuri, N.-W. P., Eragrostis plumosa, Link., GRAMINER.
     Foods
 Bhurkur, Hind., Hymenodictyon excelsum, Wall., RUBIACE Z.
     Foods
 Bhutakesa, Bom., Mussænda frondosa, Linn., RUBIACE E.
     Foods
 Bhut-bhiravi. Beng., Premna integrifolia, Linn., VERBENACEE.
     Foods
 Bhutta, Beng., Hind., Zea Mays, Linn., GRAMINE A.
     Foods
 Bhuttuá, Hind., Benincasa cerifera, Savi., CUCURBITACER.
     Foods
 Bidái, Pb., Salix daphnoides, Vill., SALICINER.
     Foods
 Bidu, Pb., Salix tetrasperma, Roxb., SALICINE ...
     Foods
Bihi, Hind., Cydonia vulgaris, Tourn., ROSACE E.
     Foods
 Bija, Hind., Pterocarpus Marsupium, Roxb., LEGUMINOS.E.
     Foods
Bijapúra, Bom., Citrus medica, Linn., RUTACEÆ.
     Foods
Bijasar, Hind., Pterocarpus Marsupium, Roxb., LEGUMINOS.E.
     Foods
Bilori. Bom., Citrus medica, Linn., RUTACE.E.
     Foods
Bij-palak, Pb., Spinacia oleracea, Mill., CHINOPODIACE E.
     Foods
Bila, Bom., Ægle Marmelos, Correa., RUTACEÆ.
     Foods
Bilga, Koti, Rodetia Amherstiana, Moq., AMARANTACE.E.
     Foods
Bllimbi, Beng., Hind., Averrhoa Bilimbi, Linn., GERANIACER.
     Foods
Bilimbi Tree, Eng., Averrhoa Bilimbi, Linn., GERANIACE E.
     Foods
Bilin, Sans., Feronia Elephantum, Correa., RUTACE E.
    Foods
Billa, Sylhet, Exceecaria baccata, Müll., EUPHORBIACE E.
    Foods
Billi, Hind., Pueraria tuberosa, DC., LEGUMINOSÆ.
    Foods
Billi, Nilgiris, Rhododendron arboreum, Sm., ERICACEÆ.
    Foods
Bilsa, N.-W. P. & Oudh., Salix tetrasperma, Roxb., Salicine R.
    Foods
Bilva, of the ancients, Bom., Ægle Marmelos, Correa., RUTACEE.
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Bilwara, Tam., Albizzia odoratissima, Benth., LEGUMINOSA.

Binda, Hind., Grewia vestita, Wall., TILIACE E.

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Bina, Beng., Avicennia officinalis, Linn., VERBENACEE.
    Foods
Bincha, Beng., Flacourtia Romontchi, L'Herit., BIXINER.
    Foods
Biné, Kan., Corypha umbraculifera, Linn., PALME.
    Foods
Binghar bij (seed), Pb., Asphodelus fistulosus, Linn., LILIACE M.
Bipemkanta, Nep., Rubus moluccanus, Linn., ROSACE A.
    Foods
Bira-kaya, Tel., Luffa acutangula, Roxb., Cucurbitace R.
    Foods
Birmi, Kashmir, Taxus baccata, Linn., Conifera.
    Foods
Bis, Pb., Myricaria germanica, Desv., TAMARISCINE E.
    Foods
Bis, Pb., Salix alba, Linn., SALICINEA.
    Foods
Bis, Pb., Salix tetrasperma, Roxb., SALICINER.
Bish, Beng., Melocanna bambusoides, Tarin., GRAMINER.
    Foods
Bishop's Weed Tree, Eng., Carum copticum, Benth., UMBELLIFERE.
    Foods
Bissarhi, Pb., Diospyros Lotus, Linn., EBENACEÆ.
    Foods
Bitsa, Pb., Salix tetrasperma, Roxb., SALICINE A.
    Foods
Biul, Hind., Grewia oppositifolia, Roxb., TILIACE E.
    Foods
Biung, Hind., Grewia oppositifolia, Roxb., TILIACE A.
    Foods
Blackberry, Eng., Rubus fruticosus, Linn., ROSACE E.
Black pepper, Eng., Piper nigrum, Linn., PIPERACEA.
    Foods
Boberloo, Tel., Vigna Catiang, Endl., LEGUMINOS.E.
    Foods
Boberlu, Tel., Dolichos lablab, Linn., LEGUMINOSÆ.
    Foods
Boda-Jam, Mechi, Eugenia obovata, Wall., MYRTACE E.
Boda-mamadi, Tel., Ficus hispidia, Linn. f., URTICACE M.
Bodo-pel-kura, Tel., Trianthema monogyna, Linn., FICOIDE E.
    Foods
Bohari, Beng., Cordia Myxa, Linn., BORAGINE E.
    Foods
Bohera, Beng., Terminalia belerica, Rozb., COMBRETACER.
    Foods
Bohl, Beng., Mimusops Elengi, Linn., SAPOTACE E.
    Foods
Boichind, Mar., Phœnix acaulis, Roxb., PALME.
    Foods
Boj, Pb., Typha angustifolia, Linn., TYPHACE E.
    Foods
Bokal, Kan., Mimusops Elengi, Linn., SAPOTACE M.
    Foods
Bokat, Pb., Asphodelus fistulosus, Linn., LILIACE E.
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Boklu, Kan., Mimusops Elengi, Linn., SAPOTACER.

Foods

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Boktok, Lepcha, Careya arborea, Rozb., MYRTACER.
     Foods
 Bokul, Beng., Mimusops Elengi, Linn., SAPOTACER.
     Foods
Bola, Ass., Morus cuspidata, Wall., URTICACER.
     Foods
Bolchú, Garo, Bombax malabaricum, DC., MALVACER.
     Foods
Bole-siyah, Pers., Aloe vera, Linn., LILIACE E.
     Foods
Bolkobak, Garo; Gmelina arborea, Roxb., VERBENACE E.
Bolsal, Garo, Shorea robusta, Gartn., DIPTEROCARPER.
    Foods
Bolsobak, Garo, Eugenia formosa, Wall., MYRTACER.
    Foods
Bommakachika, Tel., Costus speciosus, Sm., Scitamine E.
    Foods
Bonam, Mal., Bassia latifolia, Roxb., SAPOTACE E.
    Foods
Bonda-janu, (the plant), Tel., Sorghum vulgare, Pers., GRAMINE M.
Bon-methi, Beng., Melilotus parviflora, Desf., LEGUMINOSÆ.
    Foods
Bon-poi, Beng., Hind., Basella alba, L., CHENOPODIACE A.
    Foods
Bonta-shama, Tel., Panicum frumentaceum, Roxb., GRAMINE E.
    Foods
Boo-ambilla, Cingh., Antidesma Ghæsembilla, Gærtn., EUPHORBIACE.
Booa-sow, Malay, Mimusops Kauki, Linn., SAPOTACE M.
    Foods
Boomaiza, Burm., Albizzia stipulata, Boivin., LEGUMINOSE.
Bor, Hind., Ficus bengalensis, Linn., URTICACEE.
    Foods
Borar, Nep., Ficus bengalensis, Linn., URTICACE E.
    Foods
Borara, Uriya, Bauhinia variegata, Linn., LEGUMINOS.E.
    Foods
Bora singoli, Nep., Cinamomum obtusifolium, Nees., LAURINE ...
    Foods
Borboli, Beng., Hind., Dolichos lablab, Linn., LEGUMINOSE.
    Foods
Borla, Kumuun, Cordia Myxa, Linn., BORAGINER.
    Foods
Borthekra, Ass., Garcinia pedunculata, Roxb., GUTTIFERE.
Boru, Uriya, Ficus bengalensis, Linn., URTICACER.
    Foods
Bosha, Gond., Bauhinia racemosa, Lam., LEGUMINOSE.
    Foods
Bot, Ass., Ficus bengalensis, Linn., URTICACER.
    Foods
Bottle Gourd, Eng., Lagenaria vulgaris, Séringe., CUCURBITACE.
    Foods
Bouro, Uriya, Bomban malabaricum, DC., MALVACE E.
    Foods
Bowchee, Hind., Dec., Flacourtia Ramontchi, L'Herit., BIXINE E.
    Foods
Bowla, Pl., Murraya Koenigii, Spr., RUTACEE.
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Bracken, Eng., Pleris equilina, Linn., GRAMINER. Foods Braham. Pb., Sorghum halepense, Pers., GRAMINE ... Foods Brake, Eng., Pteris equilina, Lina., GRAMINER. Foods Bramble, Eng., Rubus fruticosus, Linn., ROSACER. Foods Brank, Eng., Fagopyrum esculentum, Manch., Polygonace. Foods Brankul, Pb., Ulmus campestris, Linn., URTICACE E. Foods Brari, Pb., Ulmus compestris, Lina., URTICACEE. Foods Bras, Malay, Oryza sativa, Linn., GRAMINEÆ. Foods Bras, Pb., Rhododendron arboreum, Sm., ERICACE. Foods Bre, Pb., Eremurus spectabilis, Beib., LILIACEA. Foods Bread tree, Eng., Ceratonia siliqua, L., LEGUMINOS.E. Foods Borecole, Eng., Brassica oleracea, acephala, Linn., CRUCIFERA. Foods Bren, Pb., Ulmus Wallichiana, Planch., URTICACEE. Foods Breri, Pb., Rosa macrophylla, Lindl., ROSACER. Foods Brim-posh, Pb., Kashmir, Nymphoea alba, Linn., NYMPHEACEE. Foods Brindall, Goa, Garcinia indica, Choisy., GUTTIFERA. Foods Brinjal, Eng., Solanum melongena, Linn., SOLANACEA. Foods Brinkol, Pb., Sageretia theezans, Brongn., RHAMNER. Foods Broccoli, Eng., Brassica oleracea, botrytis, Linn., CRUCIFERE. Foods Brome grass, hairy-stalked, Eng., Bromus asper, Linn., GRAMINE A. Foods Broom Corn, Eng., Sorghum saccharatum, Pers., GRAMINER. Foods Brumij, Pb., Celtis caucasica, Willd., URTICACE E. Foods Brus, Kumaun, Rhododendron arboreum, Sm., ERICACE E. Foods Brussels Sprout, Eng., Brassica oleracea, gemmifera, Linn., CRUCIFERE. Foods Bryony, Eng., Bryonia laciniosa, Linn., CUCURBITACE E. Foods Bual, Ass., Ehretia acuminata, Br., BORAGINER. Foods Buchanaka, Sans., Arachis hypogaa, Linn., LEGUMINOSA. Foods Buckche, Hind., Vernonia anthelmintica, Willd., Composite. Foods Buckthorn, Eng., Rhamnus persicus, Boiss., RHAMNER. Foods Buckwheat, Eng., Fagopyrum esculentum, Manch., Polygonacas.

Foods

Foods

Buda-durmi, Tel., Careya arborea, Roxb., MYRTACRE.

Foods

Foods

Burj, Pb., Betula Bhojpattra, Wall., CUPULIFERE.

Burkai, Tel., Luffa acutangula, Roxb., Cucurbitace.

Budhal, N.-W. P., Marlea begoniæfolia, Roxb., CORNACE E. Foods Budidi gummadi, Tel., Benincasa cerifera, Savi., CUCURBITACEA. Foods Búdshúr, Pb., Ephedra Gerardiana, Wall., GNETAGER. Foods Bugra, Pb., Gynandropsis pentaphylla, DC., CAPPARIDE E. Foods Buhal, Beng., Cordia Myxa, Linn., BORAGINE A. Bui, Pb., Ballota limbata, Benth., LABIATA. Foods Buka, Beng., Sesbania grandiflora, Pers., LEGUMINOSÆ. Foods Buksha, Beng., Hemarthria compressa, R. Br., GRAMINE E. Foods Bullock's Heart, Eng., Anona reticulata, Linn., ANONACE A. Foods Bulrush, Eng., Pennisetum typhoideum, Rich., GRAMINE E. Foods Bulu, Cingh., Terminalia belerica, Roxb., COMBRETACE R. Foods Bulyeltra, Nep., Butea frondosa, Roxb., LEGUMINOS.E. Foods Bun-am, Ass., Mangifera Sylvatica, Roxb., ANACARDIACE A. Foods Bun-chichinga, Beng., Trichosanthes lobata, Rozb., Cucurbitace. Bunj, Hind., Dec., Flacourtia Ramontchi, L'Herit., BIXINE A. Foods Bunkonkri, Machi, Eugenia formosa, Wall., MYRTACE.R. Foods Bun-okra, Beng., Xanthium strumarium, Linn., Composite. Foods Bun-palung, Beng., Rumex Wallichii, Meisn., POLYGONACE A. Foods Bun-tepoori, Beng., Physalis minima, Linn., Solanace R. Foods Bunun, Pb., Fragaria vesca, Linn., Rosace A. Foods Bur (Duthie), Bambusa spinosa, Roxb., GRAMINER. Foods Bur, Beng., Ficus bengalensis, Linn., URTICACE E. Foods Buraga, Tel., Bombax malabaricum, DC., MALVACER. Foods Burans, Pb., Rhododendron arboreum, Sm., ERICACER. Foods Buraye, Sind, Periploca aphylla, Done., ASCLEPIADE E. Foods Burdunni, N.-W. P., Setaria verticillata, Beauv., GRAMINER. Foods Búrga, Tel., Bombax malabaricum, DC., MALVACER. Foods Burgee, Pb., Phytolacca acinosa, Roxb., VERBENACE E. Foods Búrgú, Tel., Bombax malabaricum, DC., MALVACER.

Burmack, Ladak, Artemisia sacrorum, Ledele., Compositæ. Foods

Burmar, Ladak, Artemisia parviflora, Roxb., Compositæ. Foods

Burr. Arab., Triticum sativum, Lam., GRAMINER.

Foods Burr-wood, Eng., Withania Somnifera, Dun., SOLANACE E.

Foods

Burun, Sans., Salix tetrasperma, Roxb., SALICINE A. Foods

Bur-weed, Eng., Xanthium strumarium, Linn., Compositz. Foods

Burzal, Pb., Betula Bhojpattra, Wall., CUPULIFERA. Foods

Bush Caper, Eng., Capparis spinosa, Linn., CAPPARIDER. Foods

Bút, Beng., Cicer arietinum, Linn., LEGUMINOSÆ.

Foods

But, Beng., Ficus bengalensis, Linn., URTICACE E. Foods

Bútshúr, Pb., Ephedra Gerardiana, Wall., GNETACER. Foods

Butter Tree, Eng., Bassia latifolia, Roxb., SAPOTACER.

Bwaycheng, Burm., Bauhinia variegata, Linn., LEGUMINOS.E. Foods

Bwaygyin, Burm., Bauhinia malabarica, Roxb, LEGUMINOS.E. Foods

Byait-sin, Burm., Antidesma Ghæsembilla, Gærtn., EUPHORBIACE B. Foods

Byu, Burm., Rhizophora mucronata, Lamk., RHIZOPHORE R. Foods

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Caat-kododo, Mal., Gynandropsis pentaplylla, DC., CAPPARIDE A. Foods

Cast-siragum, Tam., Vernonia anthelmintica, Willd., Compositat. Foods

Cabbage, Eng., Brassica oleracea, Linn., CRUCIFERÆ. Foods

Cabbage, Red or White, Eng., Brassica oleracea capitata. Linn.. CRUCIFERÆ. Foods

Cabbage, Savoy, Eng., Brassica oleracea bulleata, Linn., CRUCIFER.R. Foods

Cabbage, Turnip-stemmed, Eng., Brassica oleracea, caulo-rapa, Linn., CRUCIFERÆ. Foods

Cabli. See Pisum sativum, Linn., LEGUMINOSÆ.

Foods Cacao, Eng., Theobroma Cacao, Linn., STERCULIACER. Foods

Caden, Eng., Phoenix sylvestris, Roxb., PALMÆ.

Foods Camel Thorn, Eng., Alhagi maurorum, Desb., LEGUMINOS.E.

Foods Cane Rattan, Eng., Calamus Rotang, Linn., PALME.

Cape Gooseberry, Eng., Physalis peruviana, Linn., Solanace A. Foods

Foods

Foods

Chakotra, Citrus decumana, Willd., RUTACE A.

Chakua, Beng., Albizzia stipulata, Boivin., LEGUMINOSE.

Carachunai, Tam., Tacca pinnatifida, Forsk., TACCACER. Caraway seed, Eng., Carum Carui, Linn., UMBELLIFERA. Foods Cardamom, Greater, Eng., Amomum subulatum, Roxb., Scitamine M. Foods Cardamom, Lesser, Eng., Elettaria Cardamomum, Maton., Scitamine R. Foods Cardamom plant, Eng., Amounum aromaticum, Roxb., Scitamine E. Foods Carinsiragum, Tam., Nigella sativa, Linn., RANUNCULACE. Foods Carob Tree, Eng., Ceratonia Siliqua, L., Leguminos. E. Foods Carrot, Eng., Daucus Carota, Linn., Umbellifera. Foods Cashew Nut, Eng., Anacardium occidentale, Linn., ANACARDIACE &. Foods Cassava, Bitter, Eng., Manihot utilissima, Pohl., Euphorbiace A. Foods Cassia Fœtid, Eng., Cassia Tora, Linn., LEGUMINOSA. Foods Castor-oil, Eng., Ricinus communis, Linn., EUPHORBIACE E. Foods Casua-Chetty, Tam., Memecylon edule, Roxb., MELASTROMACE A. Foods Catappa, Malay., Terminalia Catappa, Linn., Combretace. Foods Catechu, Eng., Acacia Catechu, Willd., LEGUMINOSA. Foods Catechu, Germ., Acacia Catechu, Willd., LEGUMINOS.E. Foods Cat's-tail, Grass Meadow, Eng., Pheleum pratense, Linn., GRAMINE A. Foods Cat's Tail, Lesser, Eng., Typha angustifolia, Linn., TYPHACE E. Cauliflower, Eng., Brassica oleracea botrytis, Linn., CRUCIFERE. Foods Cavalum, Mar., Sterculia balanghas, Linn., STERCULIACE ... Cavara-fullu, Mal., Eleusine ægyptiaca, Pers., GRAMINEÆ. Foods Cayenne Pepper, Eng., Capsicum frutescens, Linn., Solanace E. Foods Cedar Himalayan, Eng., Cedrus Deodara, Loudon, Conifera. Foods Cedar Himalayan pencil, Eng., Juniperus excelsa, M. Bieb., CONIFERE. Foods Celery, Eng., Apium graveolens, Linn., UMBELLIFERE. Foods Cha, Beng., Hind., Camellia theifera, Griff, TERUSTREMIACE.E. Foods Chachinda, Jangli, Hind., Trichosanthes cucumerina, Linn.. CUCURBITACEA. Foods Chachinga, Hind., Trichosanthes anguina, Linn., CUCURBITACE A. Foods Chaiura, Kumaun, Dassia butyracea, Roxb., SAPOTACE E.

Chakunda, Hind., Beng., Cassia Tora, Linn., LEGUMINOSE. Foods

Chalai, Himalayan name, Juniperus excelsa, M. Bieb., CONIFERE. Foods

Challa mantu, C. P., Securinega Leucopyrus, Müll. Arg., EUPHORBIACE ...
Foods

Chalmeri, Hind., Phyllanthus distichus, Müll. Arg., EUPHORRIACE E. Foods

Chalodra, Pb., Eleusine Corocana, Gartn., GRAMINE.E. Foods

Chalta, Beng., Hind., Dillenia indica, Linn., DILLENIACEE. Foods

Cham-ari, Mar., Premna integrifolia, Linn., VERBENACEE. Foods

Chembe, Garo, Eugenia Jambolana, Lam., MYRTACE E. Foods

Chambu, Garo, Sizygium jambolanum, DC., MYRTACE E. Foods

Chambu, Tam., Pennisetum typhoideum, Rich., GRAMINER. Foods

Chambun, Pb., Hovenia dulcis, Thunb., RHAMNEE. Foods

Chanbuli, Dec., Bauhinia Vahlii, W. & A., Leguminose. Foods

Chamiári, Pb., Prunus Puddum, Rozb., ROSACEE. Foods

Chamoti, Pb., Tulipa stellata, Hook., LILIACE E. Foods .

Champ, Pb., Alnus nitada, Endl., CUPULIFERE. Foods

Champa, Beng., Michelia Champaca, Linn., MAGNOLIACER. Foods

Champa, Hind., Michelia Champaca, Linn., MAGNOLIACEE.
Foods

Champaka, Beng., Michelia Champaca, Linn., Magnoliace E. Foods

Chamfur, Hind., Ehretia lævis, Rozb., BORAGINE E. Foods

Chamui, Pb., Tulipa stellata, Hook., LILIACE E. Foods

Chán, Pb., Rhododendron arboreum, Sm., ERICACE.E. Foods

Chaná, Hind., Deccan, Cicet arientinum, Linn., Leguminosz. Foods

Chanangi, Hyderabad, Murraya Koenigli, Spr., RUTACEE.

Chánay Kéléngu, Eng., Tacca pinnatifida, Forsk., TACCACE.E. Foods

Changma, Pb., Salix alba, Linn., SALICINE E. Foods

Changma, W. Tibet, Populus balsanifera, Linn., Salicine R. Foods

Changma, W. Tibet, Salix daphnoides, Vill., Salicine E. Foods

Chanu, Beng., Carum Roxburghianum, Benth., Umbellifera.
Foods

Cháphá, Bom., Michelia Champaca, Linn., MAGNOLIACER. Foods

Chapkia, Kumaun, Orthanthera viminea, Wight, ASCLEPIADE E. Foods

Char, C. P., Buchanania latifolia, Roxb., ANACARDIACEE. Foods

Foods

Chara, N.-W. P. & Oudh, Eruca sativa, Lam., CRUCIFERE. Foods Chara, Tel., Buchanania latifolia, Roxb., ANACARDIACEÆ. Foods Charachi, Tel., Grewia tilizfolia, Vahl., TILIACE E. Foods Charang, Garo, Castanopsis indica, A. DC., CUPULIFERE. Foods Chari (stalks), Beng., Hind., Sorghum vulgare, Pers., GRAMINE E. Foods Charmaghz, Pers., Juglans regia, Linn., Juglande A. Foods Chároli, Bom., Buchanania latifolia, Roxb., ANACARDIACEÆ. Foods Charrei, Afg., Quercus Ilex, Linn., CUPULIFERE. Foods Charwa, N.-W. P., Pennisetum conchroides, Rich., GRAMINE E. Foods Charwari, Hyderabad, Buchanania latifolia, Roxb., ANACARDIACE E. Foods Chashme-khuros, Pers., Abrus precatorius, Linn., Leguminos... Foods Chattri, Afg., basar name, Agaricus campestris, Linn., Fungiæ. Foods Chatung, Kashmir, Taxus baccata, Linn., Coniferæ. Foods Chaulai, Hind., Wendlandia exerta, DC., RUBIACER. Foods Chaulai, Pb., Amarantus Anardana, Hamilt., AMARANTACE E. Foods Chaulai, Upper India, Amarantus mangostanus, L., AMARANTACE E. Foods Chaun, Beng., Apium graveolens, Linn., UMBELLIFERE. Chavela, Mar., Sorghum vulgare, Pers., GRAMINE E. Foods Chavil, Deccan, Vigna Catiang, Endl., LEGUMINOS.E. Foods Cháwal (husked), Hind., Beng., Oryza sativa, Linn., GRAMINE E. Foods Chaya-pula, Sans., Citrullus vulgaris, Schrad., CUCURBITACEE. Foods Chechar, Pb., Rhus semi-alata, Murray, ANACARDIACE E. Foods Cheena, Hind., Beng., Panicum miliaceum, Linn., GRAMINE ... Foods Chehna, N.-W. P., Panicum miliaceum, Linn., GRAMINE R. Foods Chehur, Beng., Bauhinia Vahlii, W. & A., LEGUMINOSA. Foods Chein, Sutlej, Melia Azedarach, Linn., MELIACER. Foods Chel (fibre) , Cannabis sativa, Linn., URTICACE ... Foods Chelun, Simla, Populus ciliata, Wall., SALICINER. Foods Chena, Eng., Panicum miliaceum, Linn., GRAMINER. Foods Chench, Pb., Rubus fruticosus, Linn., ROSACE E.

Chenjul, Pb., Boehmeria Salicifolia, D. Don., URTICACEÆ.

Chenna, Hind., Cicer arietinum, Linn., LEGUMINOS.E. Foods

Chenuka, Sans., Cicer arietinum, Linn., LEGUMINOS.E. Foods

Cheppura, Kan., Bauhinia malabarica, Roxb., LEGUMINOS.E. Foods

Cheroo-pinnay, Tam., Calophyllum Wightianum, Wall., GUTTIFERE. Foods

Cherry, Bird, Eng., Prunus Padus, Linn., ROSACER. Foods .

Cherry Sweet, Eng., Prunus Avieum, Linn., ROSACE E. Foods

Cherry, Wild, Eng., Prunus Cerasus, Linn., ROSACE E. Foods

Cherukoo-bodi, Tel., Saccharum officinarum, Linn., GRAMINEÆ. Foods

Chestnuts, Spanish, Eng., Castanea vulgaris, Lam., CUPULIFERE.

Chestnut, Sweet, Eng., Castanea vulgaris, Lam., CUPULIFERE. Foods .

Chettipa, Tel., Hymenodictyon excelsum, Wall., Rubiace A. Foods

Cheuli, Oudh, Bassia butyracea, Roxb., SAPOTACER.

Chewa, Pb., Ephedra Gerardiana, Wall., GNETACEÆ. Foods

Chhágul-báti, Beng., Dæmia extensa, R. Br., ASCLEPIADEÆ. Foods

Chibbur, Sind., Cynodon Dactylon, Pers., GRAMINER. Foods

Chibil, Hind., Ulmus integrefolia, Roxb., URTICACE.E. Foods

Chibáda, Bom., Cucumis Melo, Linn., Cucurbitace.... Foods

Chichia, Him. names, Juniperus communis, Linn., Conifera. Foods

Chichinda, Pb., Trichosanthes anguina, Linn., Cucurbitace E. Foods

Chichinga, Beng., Trichosanthes anguina, Linn., CUCURBITACE E. Foods

Chichra, Hind., Butea frondosa, Rozb., LEGUMINOS.E. Foods

Chicken Pea, Eng., Cicer arietinum, Linn., LEGUMINOSÆ.
Foods

Chick-lenta, Tel., Setaria verticillata, Beauv., GRAMINEÆ.
Foods

Chicory, Eng. Cíchorium Intybus, Linn., Compositæ. Foods

Chijakri, Pb., Podophyllum emodi, Wall., BERBERIDÆ, Foods

Chikaya, Tel., Acacia concinna, DC., LEGUMINOSÆ. Foods

Chiki, Ladak, Arenaria holosteoides, Edge., CARYOPHYLLE E. Foods

Chikti, Hind., Triumfetta annua, Linn., TILIACE. 5.

Chil, Pb., Pinus longifolia, Roxb., CONIFERE.
Foods

Chila, Hind. Wendlandia exerta, DC., RUBEACE.E. Foods

Chilagada, Tel., Ipomæa Batatas, Lamk., Convolvulacer. Foods

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Chilghoza, Afg., Pinus Gerardiana, Wall., CONIFERE..
                                                          ....
    Foods
Chilgoja, Simla, Pinus Gerardiana, Wall., CONIFERE.
    Foods
Chilkadudu, Tel., Saccopetalum tomentosum, Hook., ANONACE E.
    Foods
Chilla, Tel., Strychnos potatorum, Linn. fil., LOGANIACE.
    Foods
Chillies, Eng., Capsicum frutescens, Linn., SOLANACER. ...
   Foods
Chilta-cita, Tel., Phoenix ferinifera, Willd., PALM.R.
   Foods
Chilu, Kan., Strychnos potatorum, Linn. fil., LOGANIACER.
   Foods
Chimbari, Pb., Eleusine ægyptiaca, Pers., GRAMINE E.
   Foods
Chimman, Bhil., Gmelina arborea, Roxb., VERBENACER.
Chimu, Pb., Morus serrata, Roxb., URTICACE.
   Foods
Chin, Pb., Fagopyrum esculentum, Manch., Polygonace.
    Foods
Chinam, Pb., Panicum miliaceum, Linn., GRAMINEA.
    Foods
Chindi, Gond., Phœnix acaulis, Roxb., PALME.
   Foods
Chinese Dates, Eng., Zizyphus Jujuba, Lam., RHAMNER.
Chinni, Hind., Morus alba, Linn., URTICACE E.
   Foods
Chinta, Tel., Tamarindus indica, Linn., LEGUMINOS.
   Foods
Chinwa, N.-W. P., Panicum miliaceum, Linn., GRAMINE.
   Foods
Chir, Pb., Pinus longifolia, Roxb., CONIFERE.
    Foods
Chirati, Sind, Mukia scabrella, Arn., Cucurbitace E.
    Foods
Chirauli, Pb., Buchanania latifolia, Roxb., ANACARDIAGE....
    Foods
Chirchitta, Pb., Lycium europœum, Linn., Solanace E.
    Foods
Chiri, Chenab, Pinus Gerardiana, Wall., CONIFERA.
Chirkal, N.-W. P., Panicum helopus, Trin., var. hirsutum, sp. Koen.,
    GRAMINEÆ. Foods
Chirmiti, Hind., Abrus precatorius, Linn., LEGUMINOSE.
    Foods
Chironji, C. P., Buchanania latifolia, Roxb., ANACARDIACE ...
    Foods
Chiroræ, Garo, Terminalia belerica, Roxb., COMBRETACE.
   Foods
Chirru, Pb., Xanthium strumarium, Linn., Composita.
   Foods
Chirua, N.-W.-P., Pod annua, Linn., GRAMINER.
   Foods
Chirwa, N.-W. P., Panicum miliaceum, Linn., GRAMINER.
    Foods
Chirwi (fruit), Pb., Phœnix dactylifera, Linn., PALMA.
    Foods
Chitana, Pb., Pyrus kumaoni, Dcne., Rosace R.
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Chit-batto, Kashmir, Trifolium fragiterum, Linn., LEGUMINOSA.
     Foods
 Chitompa, Garo, Garuga pinnata, Roxb., Burserace ...
     Foods
 Chitra, Hind., Nep., Pers., Berberis aristata, DC., and B. Lycium, Royle,
     BERBERIDEÆ.
                   Foods
 Chitra, Nep., Berberis asiatica, Roxb., BERBERIDE E.
     Foods
 Chittania, Hind., Zizyphus xylopyra, Will., RHAMNER.
 Chin, Pb., Rhododendron arboream, Sm., ERICACE.
     Foods
 Chiura, Kumaun, Bassia butyracea, Roxb., SAPOTACEA. . .
     Foods
Chochar, Pb., Berberis vulgaris, Linn., BERBERIDEE.
     Foods
Chocolate Plant, Eng., Theobroma Cacao, Linn., STERCULIACE.
     Foods
Choka, Dec., Piper nigrum, Linn., PIPERACE.
     Foods
Cholá, Beng., Cicer arietinum, Linn., LEGUMINOS.E.
     Foods
Cholam, Tam., Zea Mays, Linn., GRAMINER.
     Foods
Cholum, Tam., Sorghum vulgare, Pers., GRAMINER.
     Foods
Chora, Pb., Quercus dilitata, Lindl., CUPULIFERA.
    Foods
Chore-kanta, Beng., Chrysopogon acicularis, Retz., GRAMINER.
Chore pushpi, Sans., Chrysopogon acicularis, Rets., GRAMINE E.
    Foods
Chota, Nep., Cinnamomum Tamala, Nees., LAURINE ...
    Foods
Chota, Nep., Morus indica, Linn., URTICACE E.
    Foods
Choti juar, N.-W. P. & Oudh, Sorghum vulgare, Pers., GRAMINE E.
    Foods
Choti mauhari, Pb., Solanum xanthocarpum, Schrad. & Wendl.
    SOLANACEÆ. Foods
Choti van, Pb., Salvadora persica, Garçin., Salvadorace E.
    Foods
Chotra, Hind., Berberis, DC., and B. Lycium, Royle, BERBERIDE E.
    Foods
Chou deschamps, Fr., Brassica campestris, Linn., var. campestris proper.
    CRUCIFERAE, Foods
Chou-Navet, Fr.. Brassica campestris, Linn., var. Napus, CRUCIFERE.
    Foods
Chowlee of India, Eng., Vigna Catiang, Endl., LEGUMINOSA.
    Foods
Chua, Lahoul, Rosa Webbiana, Wall., ROSACEÆ.
    Foods
Chúari, Hind., Prunus armeniaca, Linn., ROSACE A.
    Foods
Chubrei, Pb., Eleusine ægyptiaca, Pers., GRAMINEÆ.
    Foods
Chuchi, Pb., Polygonum polystachyum, Wall., Polygonace A.
    Foods
Chuchi-am, Nep., Mangifera sylvatica, Roxb., ANACARDIACE.
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Foods

Chuj, Pb., Fraxinus Xanthoxyloides, Wall., OLEACER.

Chuka. , Rhododendron Nobile, , ERICACEA. Foods Chuka pálak, N.-W.P., Rumex vesicarius, Linn., Polygonace. Foods Chuka-palang, N.-W.P., Rumex vesicarius, Linn., Polygonace R. Foods Chukha, Pb., Oxalis corniculata, Linn., GERANIACE E. Chukri, Pb. Himalaya & Afg., Rheum Emodi, Wall., POLYGONACE A. Foods Chumlani, Nep., Skimmia Laureola, Hook., RUTACE E. Foods Chun, Hind., Morus alba, Linn., URTICACEA. Foods Chung, Pb., Caralluma edulis, Benth., ASCLEPIADE E. Foods Chun-hati, Beng., Abrus precatorius, Linn., LEGUMINOS E. Foods Chunt, Pb., Pyrus Malus, Linn., Rosace z. Foods Chúr, Pb., Quercus Ilex, Linn., CUPULIFERÆ. Foods Chúra, Pb., Angelica glauca, Edgw., UMBELLIFERÆ. Foods Chura, Pb., Commelina bengalensis, L., COMMELINACE E. Foods Churi, Nep., Bassia butyracea, Roxb., SAPOTACEA. Foods Churial, Pb., Aralia achemirica, Done., ARALIACE A. Foods Chúsbal, Ladak., Potamogeton crispus, Linn., NAIADACER. Foods Chutial, Pb., Himalaya & Afg., Rheum Emodi, Wall., POLYGONACE E. Foods Chyad-potta, Tel., Trichosanthes cucumerina, Linn., Cucurbitace R. Foods Chyai beng, Burm., Semecarpus Anacardium, Linn., ANACARDIACE E. Foods Cinnamon, Eng., Cinnamomum Tamala, Nees., LAURINE E. Foods Cinnamon Tree, Eng., Cinnamomum zeylanicum, Breyn., LAURINE E. Foods Citron, Eng., Citrus medica, Linn., RUTACE.R. Foods Civet-Cat fruit tree, Eng., Durio Zibethinus, DC., MALVACE E. Clover, red or broad-leaved, Eng., Trifolium fratense, Linn., LEGUMINOSÆ. Foods Clover, Strawberry-headed, Eng., Trifolium fragiferum, Linn., LEGUMINOSÆ. Foods Clover, White or Dutch, Eng., Trifolium repens, Linn., LEGUMINOS.A. Foods Cloves, Eng., Caryophyllus aromaticus, Linn., MYRTACE E. Foods Coat comul, Tam., Callicarpa lanata, Wall., VERRENACE.R. Foods Cocoa-nut Tree, Eng., Cocos nucifera, Linn., PALMÆ. Foods Codagam, Mal., Hydrocotyle asiatica, Linn., UMBELLIFERE. Foods

Coffee, Eng., Coffea, Linn., Rubiace R.

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Colesced, Eng., Brassica campestris, Linn., var. Napus, CRUCIFERE.
     Foods
Colewort, Wild, Eng., Brassica (oleracea) sylvestris, Linn., CRUCIFERA.
     Foods
Colocynth, English, Eng., Citrulius Colocynthis, Schrad., Cucurbitace E.
    Foods
Colza, Eng., Brassica campestris, Linn., var. campestris proper,
    CRUCIFERE. Foods
Common Wheat, Eng., Triticum sativum, Lam., GRAMINE E.
    Foods
Conda-pani, Tam., Corypha umbraculifera, Linn., PALMÆ.
    Foods
Conda-panna, Tam., Caryota urens, Willd., PALMA.
    Foods
Cong, Cingh., Schleichera trijuga, Willd., SAPINDACE A.
    Foods
Conghas, Cingh., Schleichera trijuga, Willd., SAPINDACE E.
    Foods
Congo Pea, Eng., Cajanus indicus, Spreng., LEGUMINOSÆ.
    Foods
Coriander, Eng., Coriandrum sativum, Linn., UMBELLIFERE.
    Foods
Corn, Guinea, Eng., Sorghum vulgare, Pers., GRAMINE E.
    Foods
Cotton, Common Indian, Eng., Gossypium herbaceum, Linn.,
    MALVACEA.
                 Foods
Cotton Tree Silk, Eng., Eriodendron anfractuosum, DC., MALVACEE.
    Foods
Cotton Tree, White, Eng., Eriodenodron anfractuosum, DC., MALVACE E.
    Foods
Cowgrass, Eng., Trifolium pratense, Linn., LEGUMINOS.E.
    Foods
Coya, Tel., Psidium Guyava, Raddi., MYRTACER.
    Foods
Cuchore, Fr., Acacia Catechu, Willd., LEGUMINOSÆ.
Cucumber, Eng., Cucumis sativus, Linn., Cucurbitace R.
    Foods
Cumboo, Eng., Pennisetum typhoideum, Rich., GRAMINE E.
    Foods
Cumin Seed, Black, Eng., Nigella sativa, Linn., RANUNCULACE.R.
    Foods
Cummi, Tam., Gmelina arborea, Roxb., VERBENACEÆ.
    Foods
Cummin, Eng., Cuminum Cyminum, Linn., UMBELLIFERÆ:
    Foods
Cunda, Tel., Tacca pinnatifida, Forsk., TACCACER.
    Foods
Currant, Black, Eng., Ribes nigrum, Linn., SAXIFRAGACE E.
Currant, Red, Eng., Ribes rubrum, Linn., SAXIFRAGACE Æ.
    Foods
Curri, Nep., Corylus colurna, Linn., CUPULIFERE.
    Foods
Curri, Nep., Corylus Feron, Wall., CUPULIFERE.
    Foods
Curry-leaf Tree, Eng., Murraya Koenigii, Spr., RUTACE R.
Cuscus, Eng., Andropogon muricatus, Rets., GRAMINE Æ.
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LEGUMINOSÆ.

Foods

Foods

Cusunt, Hind., Flemingia nana,

## D

Dab, Beng., Cocos nucifera, Linn., PALME. Foods Dab, N.-W. P., Eragrostis Brownei, Nees., GRAMINER. Foods Dab, Pb., Viburnum nervosum, Don., CAPRIFOLIACE R. Foods Dabdabbi, Nep., Garuga pinnata, Rezb., Burserace R. Daboi, N.-W. P., Eragrostis cynosuroides, Rets., GRAMINE E. Foods Garhwal, Kumaun, Cedrus Deodara, Loudon, Dadár, Kashmir, Gark Coniferæ. Foods Dadhuri, Pb., Ficus glomerata, Rozb., URTICACE ... Foods Daduri, Pb., Ficus hispida, Linn f., URTICACER. Foods Dahan, Rajputana, Toddalia aculeata, Pers., RUTACE E. Foods Dalim, Beng., Kumaun, Punica Granatum, Linn., LYTHRACE A. Foods Dain, Hind., Brassica campestris, Linn., var. Napus, sub-var. Toria, CRUCIFERÆ. Foods Dain-lai, Hind., Brassica campestris, Linn., var. Napus, sub-var. Toria, CRUCIEERÆ. Foods Daintha, Burm., Moringa pterygosperma, Gærtn., Moringe A. Foods Dajkar, Pb., Celastrus senegalensis, Lam., CELASTRINE.E. Dajkar, Pb., Flacourtia sepiaria, Roxb., BIXINE.E. Foods Dak, Pb., Ribes rubrum, Linn., SAXIFRAGACE E. Foods Dakari, Pb., Hedera Helix, Linn., ARALIACE E. Foods Dakh, Hind., Vitis vinifera, Linn., AMPELIDER. Foods Dakhani-babul, Hind., Pithecolobium dulce, Benth., LEGUMINOS.E. Foods Dakhmila, N.-W. P., Rhus semi-alata, Murray, ANACARDIACE A. Foods Dalchini, Hind., Cinnamomum Tamala, Nees., LAURINER. Foods Dalchini, Hind., Cinnamomum zeylanicum, Breyn., LAURINE ... Foods Dalkaramcha, Beng., Pongamia glabra, Vent., LEGUMINOSA. Dalme, Hind., Securinega obovata, Mall., Euphorbiace A. Foods Dalné katús, Nep., Castanopsis rufescens, Hook. S. & Th., CUPULIFERE. Foods Dama, Ladak, Caragana pygmæa, DC., Leguminos E. Foods Dam-bel, Garo, Careya arborea, Roxb., MYRTACER. Foods Damra-shama, Beng., Panicum frumentaceum, Roxb., GRAMINE ...

Dana, Pb., Anabasis multiflora, Moq., CHENOPODIACE E.

Dandarna, Pb., Physochlaina præalta, Hook. f., SOLANACE.E. Foods Dandelion, Eng., Taraxacum officinale, Wigg., Composita. Foods Dandhal, Kumaun., Luffa ægyptiaca, Mill. ex Hook. f., Cucurbitace R. Foods Dáudí, C. P., form of Triticum sativum, Lam., GRAMINEA. Foods Dandura, Pb., Hyoscyamus niger, Linn., Solanace E. Foods Da-ne, Burm., Nipa fruticans, Wurmb., PALMA. Foods Danimma-chettu, Tel., Punica Granatum, Linn., LYTHRACE A. Foods Dan-ky-wai, Burm., Cassia Tora, Linn., LEGUMINOS.E. Foods Danla, Hind., Phyllanthus Emblica, Linn., EUPHORBIACE E. Foods Danti, Tel., Celastrus senegalensis, Lam., CELASTRINEA. Darakhte-nar, Pere., Punica Granatum, Linn., LYTHRACE E. Foods Daran, Pb., Fagopyrun emarginatum, Meisn., Polygonace A. Foods Dararhi, N.-W. P. & Oudh, Cyamopsis psoralioides, DC., LEGUMINOSÆ. Foods Dargola, Simla, Sageretia theezans, Brongn., RHAMNER. Foods Dargu, Tel., Ougeinia dalbergioides, Benth., LEGUMINOSÆ. Dar-haldi, Hind., Berberis aristata, DC., and B. Lycium, Royle, BERBERIDEÆ. Foods Dari, Tel., Pueraria tuberosa, DC., LEGUMINOSÆ. Foods Darim, Hind., Punica Granatum, Linn., LYTHRACE E. Foods Darim, Hind., Securinega obovata, Müll., EUPHORBIACE E. Foods Darnel, Eng., Lolium temulentum, Linn., GRAMINE E. Foods Darshana, Tel., Albizzia Lebbek, Benth., LEGUMINOSÆ. Foods Daswila, N.-W. P., Rhus semi-alata, Murray, ANACARDIACE A. Foods Date Palm, Eng., Phoenix dactylifera, Linn., PALMÆ. Foods Date Plum, European, Eng., Diospyros Lotus, Linn., EBENACE E. Foods Date, Wild, Eng., Phoenix sylvestris, Roxb., PALMA. Datura, Pb., Hyoscyamus niger, Linn., Solanace E. Foods Daurva, Pb., Cynodon Dactylon, Pers., GRAMINE E. Foods

Dedhún, Beng., Sorghum bicolor, Willd., GRAMINE A.

Dekkelé, Fr., Pennisetum typhoideum, Rich., GRAMINE.E.

Degar, Pb., Ficus hispida, Linn f., URTICACE A.

Del, Cingh., Artocarpus nobilis, Thw., URTICACE A.

Foods

Foods

Foods

Delha, Pb., Capparis aphylla, Roth., CAPPARIDEÆ. Foods

Dendra, Pb., Lonicera quinquelocularis, Hardwicke, CAPRIFOLIACE E. Foods

Deodar, Eng., Kashmir, Garhwal, Kumaun., Cedrus Deodara, Loudon, CONIFERE. Foods

Dephal, Beng., Artocarpus Lakoocha, Roxb., URTICACE.E. Foods

Der Ruben, Ger., Brassica campestris, Linn., var. Napus, CRUCIFERÆ. Foods .

Dezu, Naga, Colocasia antiquorum, Schott., Aroide E. Foods .

Dhadonjra, Simla, Acer cultratum, Wall., syn. of Acer pictum, Thumb., SAPINDACEE. Foods

Dhak, Hind., Butea frondosa, Roxb., Leguminosa.
Foods

Dhal, Eng., Cajanus indicus, Spreng., LEGUMINOS.E. Foods

Dhalákura, Beng., Alangium Lamarckii, Thwaites, CORNACEE. Foods

Dhaman, N.-W.P., Cenchrus echinatus, Linn., GRAMINEÆ. Foods

Dhaman, Pb., Pennissetum cenchroides, Rich., GRAMINE E. Foods

Dhami, Ajmir, Grewia asiatica, Linn., TILIACER.
Foods

Dhamin, Hind., Grewia tiliæfolia Vahl., TILIACE E. Foods

Dhamman, Pb., Grewia oppositifolia, Roxb., TILIACE E.

Foods

Dhamono, Uriya, Grewia tilizefolia, Vahl., TILIACE R.

Dhamun, Hind., Grewia vestita, Wall., TILIACE Æ.

Foods

Dhamna, Hind., Ulmus integrifolia, Roxb., URTICACER.
Foods

Dhamnak, Bhil., Grewia tilizefolia, Vahl., TILIACE E.

Foods .

Dhan (unhusked), Hind., Beng., Oryza sativa, Linn., GRAMINEÆ.

Foods .

Dhand, N.-W. P., Panicum crus-galli, Linn., GRAMINE A.

Foods .

Dhani, Hind., Securinega obovata, Mull., EUPHORBIACE R.
Foods .

Dhania, Beng., Hind., Coriandrum sativum, Linn., Umbelliferæ. Foods

Dhanyaka, Sans., Coriandrum sativum, Linn., Umbelliferæ. Foods

Dhanyalu, Tel., Coriandrum sativum, Linn., UMBELLIFERÆ. Foods

Dhár, Pb., Momordica dioica, Roxb., CUCURBITACE.

Dhauli, Hind., Hymenodictyon excelsum, Wall., Rubiace.a. Foods

Dhaura, Oudh, Zizyphus rugosa, Lamk., RHAMNEÆ. Foods

Dheniani, Hind., Olax scandens, Roxb., OLACINE E. Foods

Dhenras, Beng., Hibiscus esculentus, Linn., MALVACEÆ.
Foods

Dher, Pb., Rubus biflorus, Ham., ROSACER.

Dhohan, Ajmir, Grewia villosa, Willd., TILIACE A.

Foods . Dhondri, Gond., Bauhinia racemosa, Lam., Leguminos.

Foods

Dhorára, Hind., Bauhinia racemosa, Lam., Leguminosæ.

Foods

Dhundul, Beng., Luffa ægyptiaca, Mill. ex Hook. f., Cucurbitace.s.

Foods

Dhunnu, Pb., Picea Webbiana, Lamb., CONIFERE. Foods

Dhup, N.-W. P., Juniperus excelsa, M. Bieb., CONIFERÆ. Foods .

Dhip, Oudh, Nep., Pinus longifolia, Roxb., CONIFERE. Foods

Dhípi, Nep., Juniperus excelsa, M. Bieb., CONIFERE. Foods

Diar, Hind., Pb., Tam., Salvadora oleoides, Linn., SALVADORACE E. Foods

Diár, Kashmir, Garhwal, Kumaun, Cedrus Deodara, Loudon, Conifera. Foods .

Dib, Pb., Eragrostis cynosuroides, Rets., GRAMINE E. Foods

Dib, Pb., Typha angustifolia, Linn., TYPHACE E. Foods

Diddani, Afg., Astragalus multiceps, Wall., LEGUMINOS.E. Foods

Dila, Pb., Phragmites communis, Trin., GRAMINE E. Foods

Dila, Pb., Scirpus Kysoor, Roxb., CYPERACE E. Foods .

Dilpasand, Sind, Citrullus vulgaris, Schrad., var., fistulosus, Cucurbitacer. Foods

Dingsolir, Khasia, Myrica sapida, Wall., MYRICACE E. Foods

Dirasan, Tel., Albizzia Lebbek, Benth., LEGUMINOSÆ. Foods

Dis, Pb., Pteris equilina, Linn., GRAMINER. Foods

Dissi, N.-W. P. & Pb., Setaria glauca, Beauv., GRAMINE.E. Foods

Diusa, Pb., Ilex dipyrena, Wall., ILICINEÆ.

Foods

Doda, Pb., Pyrus kumaoni, Done., Rosace z.
Foods

Doda, Pb., Pyrus lanata, Don., Rosace.s.

Foods

Dodak, Pb., Sonchus oleraceus, Linn., Composita.

Foods

Dodan, Hind., Sapindus Mukorrossi, Gartn., Sapindace A.
Foods

Dode, Tam., Adhatoda Vasica, Nees., ACANTHACER.

Dolu, Hind., Rheum Emodi, Wall., POLYGONACE E. Foods

Domhyen, Bhutia, Holbœllia latifolia, Wall., BERBERIDEÆ. Foods

Donda, N.-W. P., Andropogon Bladhii, Rets., GRAMINE E. Foods

Doodhi, Beng., Oxystelma esculentum, Br., ASCLEPIADEÆ. Foods

Doodh-luta, Beng., Oxystelma esculentum, Br., ASCLEPIADEÆ, Foods

Foods

Dudippi, Tel., Careya arborea, Roxb., MYRTACEÆ.

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Doodi-palla, Tel., Oxystelma esculentum, Br., ASCLEPIADE R.
    Foods
Dooghdika, Sans., Oxystelma esculentum, Br., ASCLEPIADER.
    Foods
Doommaala, Eng., Trichosanthes cucumerina, Linn., Cucurbitace E.
    Foods
Doomoor, Beng., Ficus glomerata, Rozb., URTICACEE.
    Foods
Doomoor, Beng., Ficus Roxburghii, Wall., URTICACER.
    Foods
Doorwa, Eng., Cynodon Dactyion, Pers., GRAMINE E.
    Foods
Dopatti, Ass., Cinnamomum Tamala, Nees., LAURINE E.
    Foods
Dora-byara, Hind., Setaria verticillata, Beauv., GRAMINE E.
    Foods
Dorga-kaia, Tel., Cucumis sativus, Linn., Cucurbitace A.
    Foods
Dosray, Tel., Cucumis Melo, Linn., var. utilissimus (sp. Roxb.),
                     Foods
    CUCURBITACEA.
Dotti, Gond., Ehretia lævis, Roxb., BORAGINEÆ.
    Foods
Dráb, Pb., Pinus longifolia, Rozb., CONIFERE.
    Foods
Draksha, Mahr., Vitis vinifera, Linn., AMPELIDEÆ.
    Foods
Draksha, Sans., Vitis vinifera, Linn., AMPELIDER.
    Foods
Drakshapondu, Tel., Vitis vinifera, Linn., AMPELIDE E.
    Foods
Drange, Pb., Sageretia oppositifolia, Brongn., RHAMNEÆ.
    Foods
Drangie, Pb., Sageretia theezans, Brongn., RHAMNEE.
    Foods
Drawi, Pb., Cedrela Toona, Roxb., MELIACE E.
    Foods
Drek, Hind., Melia Azedarach, Linn., MELIACEACEÆ.
    Foods
Dú, Pb., Quercus Ilex, Linn., CUPULIFERÆ.
    Foods
Dua, N.-W. P. & Oudh., Eruca sativa, Lam., CRUCIFERE.
    Foods
Duan, N.-W. P. & Oudh, Eruca sativa, Lam., CRUCIFERE.
     Foods
Dúb, Pb., Beng., Cynodon Dactylon, Pers., GRAMINEÆ.
     Foods
Dubha, Tel., Eragrostis cynosuroides, Rets., GRAMINEÆ.
Dudal, Pb., Taraxacum officinale, Wigg., Composita.
     Foods
Dudela, Nep., Hedera Helix, Linn., ARALIACE E.
     Foods
Dud en, Pb., Syringa Emodi, Wall., OLEACEÆ.
     Foods
Dudh-bathal, Pb., Taraxacum officinale, Wigg., Compositæ.
     Foods
Dudhi, Pb. hills, Ficus virgata, Roxb., URTICACEÆ.
     Foods
Dudhu-ki-lakri, Hind., Holarrhena antidysenterica, Wall., APOCYNACE A.
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Dudiyetta, Tel., Hymenodictyon excelsum, Wall., Rubiace.s. Foods

Dúdla, Pb., Rhus semi-alata, Murray, ANACARDIACE....
Foods.

Dud-phras, Pb., Populus ciliata, Wall., Salicine E. Foods

Dudri, Nep., Phoebe attenuata, Ness., LAURINEE. Foods

Dugdugia, Hind., Eugenia operculata, Roxb., MYRTACE.E. Foods

Duhn, Arab., Sesamum indicum, Linn., PEDALINEÆ. Foods

Dukhun, Arab., Panicum miliaceum, Linn., GRAMINEÆ. Foods

Dula, Pb., Hibiscus ficulneus, Linu., MALVACEE. Foods

Dulallabha, Beng., Alhagi maurorum, Deev., LEGUMINOSE. Foods

Dumbur, Beng., Ficus Cunia, Buch., URTICACE.E. Foods.

Dumshing, Bhutia, Abies Webbiana, Lindl., CONIFERE. Foods

Dumpini, Tel., Odina Wodier, Rozb., ANACARDIACE E. Foods

Dumri, Nep., Ficus glomerata, Rosb., URTICACEE.
Foods

Dura-khte-sibr, Pers., Aloe vera, Linn., var. officinalis sp. Forsk., LILIACE.E. Foods

Duralabha, Sans., Alhagi maurorum, Desv., LEGUMINOSÆ. Foods

Durba, Beng., Cynodon Dactylon, Pers., GRAMINEÆ. Foods

Durbha, Tel., Eragrostis cynosuroides, Rets., GRAMINE.E. Foods .

Durian, Eng., Malay, Durio Zibethinus, DC., MALVACE E. Foods

Durpa, Tel., Eragrostis cynosuroides, Rets., GRAMINEÆ. Foods

Durva, Sans., Cynodon Dactylon, Pers., GRAMINE E. Foods

Duyin, Burm., Durio Zibethinus, DC., MALVACEE. Foods

#### E

Eddoes, Eng., Colocasia antiquorum, Schott., AROIDE A. Foods

Eelachi, Hind., Dec., Amomum aromaticum, Roxb., Scitamine E. Foods

Egg-plant, Eng., Solanum melongena, Linn., Solanace E.

Foods .

Elachi, Beng., Amomum aromaticum, Roxb., Scitaminer.

Foods .

Elachi, Bara, Beng., Hind., Amomum subulatum, Roxb., SCITAMINE. Foods

Elachi, Chota, Beng. Hind., Elettaria Cardamomum, Maton., SCITAMINE A. Foods

Elandap-pazham, Tam., Zizyphus Jujuba, Lam., RHAMNER.

Foods Elava, Tam., Eriodendron anfractuosum, DC., MALVACE E.

Foods

Elengi, Mal., Mimusops Elengi, Linn., SAPOTACE E.  $\mathbf{Foods}$ 

Elephant-grass, Eng., Typha elephantina, Roxb., TYPHACE E. Foods

Eliya (resin), Dec., Aloe vera, Linn., LILIACE A.

Foods

Ellakay, Tam., Tel., Elettaria Cardamonum, Maton., Scitamine E. Foods

Ella-kura, Tel., Suceda indica, Moq., CHENOPODIACE A. Foods

Elm, Eng., Ulmus campestris, Linn., URTICACE A. Foods

Elumich-cham-pazham, Tam., Citrus medica, Linn., RUTACER. Foods

Elupa, Tam., Bassia latifolia, Roxb., SAPOTACER. Foods

Elnpa, Tam., Bassia longifolia, Willd., SAPOTACER. Foods

Elupay, Tam., Terminalia belerica, Roxb., COMBRETACE E. Foods

Em., Pb., Chenopodium album, L., CHENOPODIACE ... Foods

Emiga-junum, Tel., Typha elephantina, Roxb., Typhace R. Foods

Era, Pb., Viburnum stellalatum, Wall., CAPRIFOLIACE E. Foods

Eragu, Tel., Ulmus integrifolia, Roxb., URTICACE E. Foods

Eranda, Sans., Ricinus communis, Linn., EUPHORBIACE A. Foods

Eri, Pb., Viburnum stellulatum, Wall., CAPRIFOLIACEÆ. Foods

Erra-gom-kaya, Tel., Hibiscus Sabdariffa, Linn., MALVACE E. Foods

Eruvali, Tam., Maba buxifolia, Pers., EBENACEÆ. Foods

Esar, Kumaun, Rubus ellipticus, Smith, ROSACEÆ. Foods

Escali, Nep., Rubus ellipticus, Smith, ROSACE E.

Etok, Bhutia, Lepchn., Rhododendron arborium, Sm., ERICACE A. Foods

#### F

Fagara, Pb. plains, Ficus virgata, Roxb., URTICACEA. Foods

Fagari, Pb., Ficus Carica, Linn., URTICACE E.

Foods Fagu, Pb., Ficus Carica, Linn., URTICACE E. Foods

Fagu, Pb. hills, Ficus virgata, Roxb., URTICACE E. Foods

Faguri, Pb. Ficus Carica, Linn., URTICACE E. Foods

Famsikol, Lepcha, Eugenia formosa, Wall., MYRTACE R.

Foods

Farri, Pb., Grewia vestita, Wall., TILIACE.E.

Foods .

Farsi, Mar., Chrysophyllum Roxburghii, G. Don., SAPOTACER.
Foods .

Farw, Pb., Panicum sanguinale, Linn., GRAMINE E. Foods

Fennel, Eng., Foeniculum Vulgare, Gærtn., UMBELLIFERÆ.

Fenuguec, Eng., Trigonella Foenum-groecum, Linn., LEGUMINOSE. Foods

Fenugreek, Eng., Trigonella Fœnum-grœcum, Linn., Leguminos. Foods

Fescue Grass, Hard, Eng., Festuca duriuscula, Linn., GRAMINEÆ. Foods

Fescue, Purple, Eng., Festuca rubra, Linn., GRAMINEÆ. Foods

Fescue, Sheep's, Eng., Festuca ovina, Linn., GRAMINE E.

\_\_\_ Foods

Fibre Rozelle, Eng., Hibiscus Sabdariffa, Linn., MALVACE E. Foods

Fig, Common, Eng., Ficus Carica, Linn., URTICACE E. Foods

Fig, Sacred, Eng., Ficus religiosa, Linn., URTICACE.E. Foods

Findák, Pb., Corylus colurna, Linn., CUPILIFERE.

Fiorin or White Bent Grass, Eng., Agrostis alba, Linn., GRAMINEE.

Fir, Himalayan, Silver, Eng., Abies Webbiana, Lindl., CONIFERE. Foods

Flag, Sweet, Eng., Acorus Calamus, Linn., AROIDE E.

Foons .

Forbidden Fruit, Eng., Citrus decumana, Willd., RUTACEE.

Foods ...

Fox-tail Grass, Eng., Alopecurus geniculatus, Linn., GRAMINE.R.

Fox-tail, Meadow Grass, Eng., Alopecurus pratensis, Linn., GRAMINE E. Foods

Fox-tail, Slender Grass, Eng., Alopecurus agrestis, Linn., GRAMINEÆ. Foods .

# G.

Gáb, Eng., Beng., Hind., Diospyros Embryopteris, Pers., EBENACEÆ. Foods

Gabna, Beng., Nipa fruticans, Wurmb., PALME. Foods

Gachoolá, And., Albizzia Lebbek, Benth., LEGUMINOS.E. Foods

Gadda (cabbage of leaves) Pb., Phœnix dactylifera, Linn., PALMÆ. Foods

Gaggarwah, C. P., Cassia Fistula, Linn., LEGUMINOSÆ. Foods

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Gaha, N.-W. P., C. P., Fraxinus xanthoxyloides, Wall., OLEACEE.
    Foods
Gahu, Deccan, Triticum sativum, Lam., GRAMINE E.
    Foods
Gahung, Mar., Triticum sativum, Lam., GRAMINE E.
    Foods
Gai aswat, Beng., Ficus cordifolia, Rozb., URTICACE E.
    Foods
Gajar, Beng., Hind., Daucus Carota, Linn., Umbellifera.
    Foods
Gajir, Hind., Dioscorea versicolor, Wall., DIOSCOREACEA.
    Foods
Gajjara, Tam., Daucus Carota, Linn., Umbellifera.
    Foods
Gajjara gadda, Tel., Daucus Carota, Linn., Umbellifera. Foods
Gajna, Hind., Ficus cordifolia, Rozb., URTICACE A.
    Foods
Gakró, Naga Hills, Hibiscus cannabinus, Linn., MALVACE E.
    Foods
Galgala, N.-W. P., Eragrostis plumosa, Link., GRAMINE A.
    Foods
Galgoja, Chenab, Pinus Gerardiana, Wall., CONIFERE.
    Foods
Galion, Hind., Pyrus lanata, Don., ROSACE E.
    Foods
Galka, Pb., Rubus lasiocarpus, Smith, Rosace E.
    Foods
Galli (cabbage of leaves), Pb., Phœnix dactylifera, Linn., PALME.
    Foods
Gam, Beng., Triticum sativum, Lam., GRAMINEA.
    Foods
Gambari, Nep., Uriya, Gmelina arborea, Roxb., VERBENACER.
    Foods
Gamboge Tree, Eng., Garcinia Morella, Desr., Guttifera.
    Foods
Gamur, N.-W. P., Panicum antidotale, Rets., GRAMINEÆ.
    Foods
Ganaba, Cingh., Brassica nigra, Koch., CRUCIFERÆ.
    Foods
Gandal, Hind., Avena fatua, Linn., GRAMINEÆ.
Gandalún, Pb., Daphne mucronata, Royle, THYMELÆACEÆ.
    Foods
Gandana, Afg., Allium ascalonicum, Linn., LILIACEA.
    Foods
Gandera, Pb., Rhazya stricta, Dcne., APOCYNACE A.
    Foods
Gandhan, Pb., Allium ascalonicum, Linn., LILIACE E.
    Foods
                                                   GRAMINEÆ.
Gandhat rince, Bom., Andropogon citratus,
    Foods
Gandhuli, Pb., Gynandropsis pentaphylla, DC., CAPPARIDE A.
    Foods
Gandi, N.-W. P., Chloris barbata, Swarts., GRAMINE E.
    Foods
Gandi, Pb., Murraya Koenigii, Spr., RUTACE E.
    Foods
Gandial, Pb., Arenaria holosteoides, Edge., CARYOPHYLLE E.
Gandla, Pb., Murraya Koenigii, Spr., RUTACER.
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Gandum, Pers., Triticum sativum, Lam., GRAMINEÆ.
Foods

Gange, Sind, Zizyphus nummularia, W. & A., RHAMNER. Foods

Ganger, Pb., Grewia populifolia, Vahl., TILIACE ... Foods

Ganger, Pb., Lycium europæum, Linn., SOLANACE E. Foods

Ganger, Pb., Sageretia Brandrethiana, Aitch., RHAMNER. Foods

Gangerun, Rajputana, Grewia populifolia, Vahl., TILIACEE. Foods

Gango, Sind, Grewa populifolia, Vahl., TILIACEE. Foods

Ganhar, Pb., Amarantus Anardana, Hamilt., AMARANTACER. Foods .

Ganhar, Upper India, Amarantus mangostanus, L., AMARANTACEÆ. Foods

Gani, Pb., Oxystelma esculentum, Br., ASCLEPIADEÆ. Foods

Ganiari, Oudh, Premna integrifolia, Linn., VERBENACE E. Foods

Ganja, Beng., Cannabis sativa, Linn., URTICACE R.

Ganja-chedi, Tam., Cannabis sativa, Linn., URTICACE E. Foods

Ganjan, Burm., Mesua ferrea, Linn., GUTTIFERE. Foods

Gánjari-chettu, Tel., Cannabis sativa, Linn., URTICACE E. Foods .

Gánje-ká-pér, Hind., Cannabis sativa, Linn., URTICACEÆ.
Foods

Ganjira, Hind., Dioscorea versicolor, Wall., Dioscoreace E.

Ganthiam, Pb., Ipomæa aquatica, Forsk., Convolvulace.e. Foods

Gantiloo (grain), Tel., Pennisetum typhoideum, Rich., GRAMINEÆ. Foods

Garar, Afg., Reptonia buxifolia, A. DC., MYRSINE E. Foods

Gardal, Bom., Entada scandens, Bth., Leguminos.e. Foods

Gardalu, Pb., Prunus armeniaca, Linn., ROSACE E. Foods

Garden Cress, Eng., Lepidium sativum, Linn., CRUCIFERÆ. Foods

Garden Spinach, Eng., Spinacia oleracea, Mill., CHENOPODIACEÆ, Foods

Gár-gá, Tel., Garuga pinnata, Roxb., BURSERACEÆ. Foods

Gargas, Pb., Grewia salvifolia, Heyne, TILIACEÆ. Foods

Gargu-naru, Hind., Bryonia lociniosa, Linn., Cucurbitace E. Foods

Gari, Tel., Batanites Roxburghii, Planch., SIMARUBE.A. Foods

Gari-kulay, Beng., Glycine soja, Sieb. & Zucc., LEGUMINOSÆ, Foods

Garjara, Sans., Daucus Carota, Linn., Umbelliferæ. Foods

Garkum, N.-W. P., Marlea begoniæfolia, Roxb., CORNACE.E.
Foods

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Garlic, Eng., Allium sativum, Linn., LILIACEA.
    Foods
Garm, Pb., Panicum antidotale, Rets., GRAMINE E.
    Foods
Garnikura, Sans., Hibiscus cannabinus, Linn., MALVACER.
    Foods
Garpipal, Kumaun, Populus ciliata, Wall., SALICINER.
    Foods
Garrah, Gond., Balanites Roxburghii, Planch., SIMARUBEÆ.
    Foods
Garso, Hind., Albizzia Lebbek, Benth., LEGUMINOSÆ.
    Foods
Garuga, Tel., Garuga pinnata, Roxb., Burserace ...
    Foods
Gasa-gasa-tol, Tam., Papaver somniferum, Linn., PAPAVERACE E.
    Foods
Gasa-gasa-tolu, Tel., Papaver somniferum, Linn., PAPAVERACE E.
    Foods
Ganb, Eng., Diospyros Embryopteris, Pers., EBENACEÆ.
    Foods
Gaunri, Kashmir, Trapa bispinosa, Rozb., ONAGRACE E.
    Foods
Gaura, Beng., Elæagnus latifolia, Linn., ELÆAGNEÆ.
    Foods
Gausam, Hind., Schleichera trijuga, Willd., SAPINDACE E.
    Foods
Gavuldu, Mysore, Careya arborea, Roxb., MYRTACE E.
    Foods
Gavung, N.-W. P., Chloris barbata, Swarts., GRAMINE A.
    Foods
Geang, Pb., Lonicera angustifolia, Wall., CAPRIFOLIACE E.
    Foods
Geeiabu, Beng., Psidium Guyava, Raddi., MYRTACEÆ.
    Foods
Geia, Hind., Briedelia montana, Willd., EUPHORBIACE E.
    Foods
Geio, Nep., Briedelia montana, Willd., Euphorbiace A.
    Foods
Geli, N.-W. P., Taxus baccata, Linn., CONIFERE.
    Foods
Gempe, Nep., Rubus lineatus, Reinw., Rosace A.
    Foods
Gendeli, Ass., Garuga pinnata, Roxb., Burserace A.
Genhu, Hind., Triticum sativum, Lam., GRAMINER.
    Foods
Genthi, Hind., Dioscorea versicolor, Wall., DIOSCOREACE E.
    Foods
Geredi, Uriya, Entada scandens, Bth., LEGUMINOSÆ.
    Foods
Gesse, Eng., Lathyrus sativus, Linn., LEGUMINOS E.
    Foods
Ghain, Pb., Elæagnus umbellata, Thunb., ELÆAGNEÆ.
    Foods
Ghalme, Pb., Anabasis multiflora, Moq., CHENOPODIACE E.
    Foods
Ghamor, N.-W. P., Panicum antidotale, Rets., GRAMINE E.
    Foods
Ghari, Hind., Securinega obovata, Mull., EUPHORBIACE A.
    Foods
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Ghariam, Ass., Mangifera indica, Linn., ANACARDIACE Æ.

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Gharot, Pb., Oxystelma esculentum, Br., ASCLEPIADE E.
    Foods
Ghau, Gujarát, Triticum sativum, Lam., GRAMINEA.
    Foods
Ghebu-nelli, Tel., Premna integrifolia, Linn., VERBENACE A.
Ghechu, Hind., Aponogeton monostachyum, Linn., NAIADACEE.
    Foods
Gheea-sim, Beng., Dolichos Lablab, Linn., LEGUMINOSE.
Ghericha, Tel., Cynodon Dactylon, Pers., GRAMINE A.
    Foods
Ghesi, Nep., Quercus semicarpifolia, Smith, CUPULIFERE.
    Foods
Ghia, Kumaun, Syringa Emodi, Wall., OLBACE E.
    Foods
Ghikawar, N.-W. P., Aloe vera, Linn., var., officinalis, Sp. Forsk.,
    LILIACEAE. Foods
Ghikuwari, Hind., Aloe vera, Linn., LILIACEÆ.
Ghirta-kanvár, Beng., Aloe vera, Linn., var. officinalis, sp. Forsk., LILIACE A.
Ghirta-kunmári, Beng., Sans., Aloe vera, Linn., LILIACEÆ.
    Foods
Ghiwain, Kumaun, Elæagnus latifolia, Linn., ELÆAGNEÆ.
    Foods
Ghiwain, Pb., Elæagnus umbellata, Thunb., ELÆAGNEÆ.
    Foods
Ghogar, Hind., Garuga pinnata, Roxb., BURSERACEÆ.
    Foods
Ghol, Pb., Cephalandra indica, Nand., CUCURBITACE A.
    Foods
Ghont, Hind., Zizyphus xylopyra, Will., RHAMNEÆ.
Ghora nim, Beng., Melia Azedarach, Linn., MELIACEÆ.
    Foods
Ghorbach, Hind., Acorus Calamus, Linn., AROIDE E.
    Foods
Ghosali, Bom., Luffa ægyptiaca, Mill. ex Hook. f., Cucurbitace E.
    Foods
Ghuiya, N.-W. P., Colocasia antiquorum, Schott., AROIDE A.
    Foods
Ghungachi, Bom., Abrus precatorius, Linn., LEGUMINOS.E.
    Foods
Ghurchua, N. India, Eleusine ægyptiaca, Pers., GRAMINE E.
    Foods
Ghurie-ghénzá, Tel., Abrus precatorius, Linn., LEGUMINOSÆ.
Ghwareshtai, Afg., Prunus persica, Benth. & Hook., ROSACE E.
Ghya-taroi, Kumaun, Luffa ægyptiaca, Mill. ex Hook. f., Cucurbitace R.
    Foods
Gia, Mechi, Garuga pinnata, Rozb., Burserace E.
    Foods
Giam, Tibet, Cedrus Deodara, Loudon, CONIFERE.
    Foods
Gidardak, Pb., Sageretia oppositifolia, Brongn., RHAMNE Æ.
Gidhro, Sind, Cucumis Melo, Linn., CUCURBITACER.
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Foods **Gilás**,

Foods

, Prunus Avium, Linn., ROSACEÆ.

Gilla, Beng., Entada scandens, Bth., LEGUMINOS.E. Foods

Gineri, Nep., Premna integrifolia, Linn., VERBENACEÆ.
Foods

Gineri, Nep., Premna latifolia, Rozb., VERBENACEE. Foods

Gingelly oil, Eng., Sesamum indicum, Linn., PEDALINEÆ.

Foods .

Ginger, Eng., Zingiber officinale, Roscoe, SCITAMINEE.

Foods .

Gingili, South Ind., Sesamum indicum, Linn., PEDALINER. Foods .

Ginyan, Hind., Odina Wodier, Roxb., ANACARDIACE.E. Foods

Gira, Pb., Alnus nitida, Endl., CUPULIFERE. Foods

Gira-málá, Bom., Sind., Cassia Fistula, Linn., Leguminos... Foods

Girchhatra, Pb., (hills), Morchella semilibera, L., Fungi.
Foods

Girdardak, Pb., Cissus carnosa, Lam., AMPRLIDEE.
Foods

Girgitti, Hind., Glycosmis pentaphylla, Correa., RUTACEÆ.

Girikarnika, Sans., Alhagi maurorum, Desv., LEGUMINOS.E. Foods

Girta kanvár, Beng., Aloe vera, Linn., LILIACEE. Foods

Girthan, Pb., Sageretia oppositifolia, Brong n., RHAMNEÆ. Foods

Girul, Pb., Panicum antidotale, Rets., GRAMINEE.

Gitoran, Ajmir, Capparis Gorrida, Linn., CAPPARIDE E. Foods .

Gnooshway, Burm., Cassia Fistula, Linn., LEGUMINOS.E.

Goa Potatoe, Eng., Dioscorea aculeata, Roxb., DIOSCOREACE.E. Foods

Gobia, Nepal, Cephalostaclyon capitatum, Munro, GRAMINEÆ.

Gobla, Hind., Ficus hispida, Linn. f., URTICACE E. Foods

Gobria sulah, Nep., Abies Webbiana, Lindl., Conifera. Foods

Goda, Beng., Vitex leucoxylon, Linn., VERBENACE.E.
Foods

Godhi, Kan., Triticum sativum, Lam., GRAMINER.
Foods
Godumai, Tam., Triticum sativum, Lam., GRAMINER.

Foods Gódu muhi, Tel., Triticum sativum, Lam., GRAMINEÆ.

Foods
Gogen, Nep., Saurauja nepaulensis, DC., TERNSTRÆMIACEÆ.

Foods

Gogina, Hind., Saurauja nepaulensis, DC., TERNSTRÆMIACEÆ.
Foods

Gogi-sag, Pb. & Sind, Malva parviflora, Linn., MALVACEÆ. Foods

Gogonda, Hind., Saurauja nepaulensis, DC., TERNSTREMIACEE. Foods

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Gogsa, Hind., Mæsa argentea, Wall., MYRSINE E.
    Foods
Gogu, Tel., Acacia concinna, DC., LEGUMINOS.E.
    Foods
Goher, Pb., Sageretia Brandrethiana, Aitch., RHAMNER.
    Foods
Gohun, Hind., Triticum sativum, Lam., GRAMINER.
    Foods
Gokatú, Cingh., Garcinia Morella, Desr., GUTTIFERA.
    Foods
Gokhrudesi, Pb., Tribulus alatus, Delile, Zygophylles.
    Foods
Gol-kadu, Hind., Lagenaria vulgaris, Seringe, Cucurbitace A.
Golab-Jam, Beng., Hind., Eugenia jambos, Linn., MYRTACE R.
    Foods
Gole-marich, Beng., Hind., Piper nigrum, Linn., PIPERACE E.
    Foods
Golphal (fruits), Beng., Nipa fruticans, Wurmb., PALME.
    Foods
Gomari, Ass., Gmelina arborea, Roxb., VERBENACEA.
    Foods
Gombo, Fr., Hibiscus esculentus, Linn., MALVACEE.
    Foods
Gondhona, Uriya, Premna latifolia, Roxb., VERBENACE.E.
    Foods
Gondi, Hind., Cordia Myxa, Linn., BORAGINE E.
    Foods
Gondi, Hind., Cordia Rothii, Rom. & Sch., BORAGINER.
    Foods
Gooseberry, Hill, Eng., Rhodomyrtus tomentosa, Wight, MYRTACE.E.
    Foods
Gooseberry, Rough or Hairy, Eng., Ribes Grossularia, Linn.,
    Saxifragaceæ. Foods
Gophia, Kumaun, Holbællia latifolia, Wall., Berberide A.
    Foods
Gopi, Nep., Cephalostaclyon capitatum, Munro, GRAMINE E.
    Foods
Gorakh chintz churi chintz, Bom., Adansonia digitata, Linn., MALVACER.
    Foods
Goraláne, Pb., Anabasis multiflora, Moq., CHENOPODIACE.E.
    Foods
Gorgon plant, Eng., Euryale erox, Salisb., NYMPHEACRE.
    Foods
Goroma, Beng., Apluda aristata, Linn., GRAMINER.
    Foods
Gori-kachú, Hind., Beng., Colocasia antiquorum, Schott., AROIDEÆ.
    Foods
Gori nim, Bom., Melia Azedarach, Linn., MELIACE E.
    Foods
Goti, Hind., Tel., Zizyphus xylopyra, Will., RHAMNEÆ.
Goukura, Tel., Hibiscus cannabinus, Linn., MALVACEA.
    Foods
Gourkh amli, Hind., Adansonia digitata, Linn., MALVACER.
    Foods
Grains of Paradise, Eng., Amomum subulatum, Roxb., SCITAMINER.
    Foods
Gram, Common, Eng., Cicer arietinum, Linn., LEGUMINOS E.
    Foods
Granats, Ger., Punica Granatum, Linn., LYTHRACE.M.
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Foods

Gulga, Beng., Nipa fruticans, Wurmb., PALMÆ.

Grass, Blue Kentucky, American, Poa pratensis, Linn., GRAMINE E. Foods Grass, Cock's Foot, Eng., Dactylis glomerata, Linn., GRAMINE.E. Foods Grass, Hill, Eng., Andropogon miliaceus, Roxb., GRAMINER. Grass, Lemon, Eng., Andropogon citratus, GRAMINEÆ. Foods Grass, Lemon, Eng., Andropogon Scheenanthus, Linn., GRAMINE R. Foods Grass, Meadow, Rough, Eng., Poa trivialis, Linn., GRAMINE E. Foods Grass, Meadow, Smooth-stalked, Eng., Poa pratensis, Linn., Foods GRAMINEÆ. Grass, Prairie, of Australia, Eng., Bromus schaderi, Kunth., GRAMINER. Grenades, Fr., Punica Granatum, Linn., LYTHRACER. Foods Guá, Beng., Areca Catechu, Linn., PALME. Foods Gnár, N.-W. P. & Oudh, Cyamopsis psoralioides, DC., LEGUMINOS. E. Foods Guava Tree, Eng., Psidium Guyava, Raddi., MYRTACE A. Foods Guback, Sans., Areca Catechu, Linn., PALME. Foods Guch, Coriaria nepalensis, Wall., CORIARIE E. Foods Gách, Kashmir, Viburnum cotinifolium, Don., CAPRIFOLIACE A. Foods Guch, Kashmir, Pb., Viburnum fætens, Decaisne, CAPRIFOLIACE A. Foods Gudha, N.-W. India, Eleusine indica, Gartn., GRAMINE E. Foods Gudhuma, Sans., Triticum sativum, Lam., GRAMINER. Foods Gudúrichakanda, Bom., Costus speciosus, Sm., Scitamine E. Foods Gugal, Tel., Shorea robusta, Gærtn., DIPTEROCARPEÆ. Foods Gihor, Nep., Pyrus vestita, Wall., ROSACER. Foods Ghhá, Hind., Sterculia urens, Roxb., STERCULIACER. Foods Guinea, Grass, Eng., Panicum jumentosum, Pers., GRAMINEA. Gujon soba, Burm., Triticum sativum, Lam., GRAMINE A. Foods Gul, Pb., Cichorium Intybus, Linn., Compositæ. Foods Gulab, Hind., Rosa macrophylla, Lindl., ROSACEÆ. Foods Gular, Hind., Ficus glomerata, Roxb., URTICACE E. Foods Gular, Hind., Ficus virgata, Roxb., URTICACEA. Foods Gular tabsi, Hind., Sterculia urens, Roxb., STERCULIACE A. Foods Gulatti, Pb., Dolichos biflorus, Linn., LEGUMINOSE.

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Gul-kakru, Pb., Podophyllum emodi, Wall., BERBERIDÆ.
 Gullu, N.-W. P., Taxus baccata, Linn., CONIFERE.
     Foods
 Gulu (seeds)
                     , Cannabis sativa, Linn., URTICACEÆ.
     Foods
 Gum, Arabic, Indian, Eng., Acacia arabica, Willd., LEGUMINOS.R.
     Foods
 Gum, Kino, Eng., Pterocarpus Marsupium, Roxb., Leguminos E.
     Foods
 Gumar, Beng., Hind., Gmelina arborea, Roxb., VERBENACE E.
 Gumartek, Tel., Gmelina arborea, Roxb., VERBENACEÆ.
     Foods
 Gumi, Garo Hills & Sylhet, Aglaia edulis, A. Gray, MELIACE E.
 Gummaddikaia, Tel., Cucurbita maxima, Duchesne, Cucurbitace A.
     Foods
 Gummar, Gond., Careya arborea, Roxb., MYRTACE E.
     Foods
 Gumodi, Tel., Pueraria tuberosa, DC., LEGUMINOSÆ.
     Foods
 Gumpini, Tel., Odina Wodier, Roxb., ANACARDIACE E.
     Foods
 Gun, Hind., Pb., Æsculus indica, Colebr., SAPINDACE Æ.
     Foods
 Gun, Pb., Pyrūs kumaoni, Done., Rosace A.
     Foods
 Gunacha, Pb., Rubus lasiocarpus, Smith, ROSACE A.
     Foods
 Gunch, Beng., Abrus precatorius, Linn., LEGUMINOSÆ.
Gunchi, Hind., Abrus precatorius, Linn., Leguminos E.
     Foods
Gundi, Hind., Cordia Rothii, Rom. & Sch., BORAGINEÆ.
     Foods
Gundra, Tel., Sans., Saccharum Sara, Roxb., GRAMINER.
     Foods
Gundui, Hind., Cordia Rothii, Rom. & Sch., BORAGINE E.
     Foods
Gun-dumani, Tam., Abrus precatorius, Linn., Leguminos A.
    Foods
Gungru, Pb., Dioscorea deltoides, Wall., DIOSCOREACE E.
    Foods
Guniadi, Tam., Gmelina arborea, Roxb., VERBENACER.
Gunja, Bom., Sans., Abrus precatorius, Linn., LEGUMINOSA.
    Foods
Guracha, Pb., Rubus ellipticus, Smith, ROSACEÆ.
    Foods
Gurapu-badam, Tel., Sterculia fœtida, Linn., STERCULIACEE.
    Foods
Gur-begun, Beng., Hind., Lycopersicum esculentum, Miller, SOLANACER.
    Foods
Gurdub, N.-W. India, Eleusine flagellifera, Nees., GRAMINE.E.
    Foods
Gurgur, Beng., Coix lachryma, Linn., GRAMINER.
    Foods
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Gurgura, Pb., Reptonia buxifolia, A. DC., MYRSINE A.

Gúriál, Hind., Bauhinia racemosa, Lam., LEGUMINOSÆ.

Foods

Gurinda, Hasara, Prinsepia utiles, Royle, ROSACEE.

Gurkhi, Beng., Solanum nigrum, Linn., SOLANACE.E. Foods

Gurl pata, Kumaun, Skimmia Laureola, Hook., RUTACEE. Foods

Gurmala, Gus., Cassia Fistula, Linn., LEGUMINOSÆ.
Foods

Gurti-chettu, Tel., Dæmia extensa, R. Br., ASCLEPIADEÆ.

Gutgumna, Pb., Salvia Moorcroftiana, Wall., LABIATÆ. Foods

Guya, Kumaun, Viburnum foetens, Decaisne, CAPRIFOLIACEE. Foods

Gwala, Hind., Securinega obovata, Müll., EUPHORBIACE E. Foods

Gwalam, Hind., Pyrus baccata, Linn., ROSACEE.

Gway, Burm., Spondias mangifera, Pers., ANACARDIACEE. Foods

Gwia, Kumaun, Viburnum cotinifolium, Don., CAPRIFOLIACER. Foods

Gyoben, Burm., Schleichera trijuga, Willd., SAPINDACEÆ. Foods

Gyootnway, Burm., Gnetum scandens, Roxb., GNETACEÆ. Foods

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Hadar, Pb., Ribes rubrum, Linn., SAXIFRAGACE R. Foods .

Haddú, Hind., Pb., Cornus macrophylla, Wall., CORNACE E. Foods

Hakna, Hind., Indigofera pulchella, Roxb., LEGUMINOSÆ. Foods

Halada, Bom., Curcuma longa, Roxb., SCITAMINE E. Foods

Hála-koratige, Kan., Dæmia extensa, R. Br., ASCLEPIADEÆ-Foods

Halbambar, Pb., Hedera Helix, Linn., ARALIACEÆ. Foods

Haldi, Hind., Cureuma longa, Roxb., SCITAMINE E.

Haleem, Dec., Lepidium sativum, Linn., CRUCIFERE. Foods

Haleo, Hind., Cornus macrophylla, Wall., CORNACE E. Foods

Hali, Kan., Chrysophyllum Roxburghii, G. Don., SAPOTACER.

Foods .
Halim, Beng., Hind., Nasturtium officinale, Br., CRUCIFERE:
Foods .

Hain, Pb., Impatiens Balsamina, Linn., GERANIACEÆ.

Foods .

Halu, Pb., Salvia Mooreroftiana, Wall., LABIATE.
Foods .

Hamara, Gond., Spondias mangifera, Pers., ANACARDIACEE.

Hamra, Gus., Prosopis spicigera, Linn., LEGUMINOS.E.
Foods

Hand, Pb., Cichorium Intybus, Linn., Compositing.

Hanuz, Pb., Fraxinus xanthoxyloides, Wall., OLEACE.E.
Foods

Hanza, Afg., Acacia Jacquemontii, Benth., LEGUMINOS.E. Foods

Hanzal, Pb., Acer cultratum, Wall., syn. of Acerpictum, Thumb., SAPINDACEE. Foods

Har, Hind., Terminalia chebula, Rets., COMBRETACE.R. Foods

Harallú, N.-W. P., Odina Wodier, Roxb., ANACARDIACE A. Foods .

Harara, Hind., Terminalia chebula, Rets., COMBRETACER.
Foods

Harbhara, Deccan, Cicer arietinum, Linn., LEGUMINOSE. Foods

Harduli, Mar., Olax scandens, Roxb., OLACINER.
Foods

Harenso, Sans., Pisum sativum, Lian., Leguminos.e. Foods

Harfaruri, Hind., Phyllanthus distichus, Müll.-Arg., Euphorbiace A. Foods

Haricot, Eng., Phaseolus vulgaris, Linn., LEGUMINOS.E. Foods

Haridra, Sans., Curcuma longa, Razb., SCITAMINE.E. Foods

Haritaki, Beng., Terminalia chebula, Rets., Comerciace A. Foods

Harla, Dec., Terminalia chebula, Rets., COMBRETACE E.

Harnauli, Pb., Solanum xanthocarpum, Schrad. & Wendl., Solanacez.

Harra, Gond., Terminalia chebula, Rets., COMBRETACE.E. Foods

Harri, Hind., Marraya Koenigii, Spr., RUTACEÆ. Foods

Hartho, N.-W.P., Securinega Leucopyrus, Müll-Arg., EUPHORBIACE E. Foods

Hateem, Beng., Hind., Lepidium sativum, Linn., CRUCIFERE. Foods

Hathi-khatyan, Dec., Adansonia digitata, Linn., MALVACER.

Hatian, Hind., Eriodendron anfractuosum, DC., MALVACEÆ. Foods

Hati-choke, Beng., Hind., Cynara Scolymus, Linn., Compositze.

Hay, Eng., Lolium perenne, Lins., GRAMINE E. Foods

Hazel Nut, Indian, Eng., Corylus colurna, Linn., Cupulifere.

Heela, Burghers, Garcinia Cambogia, Desr., GUTTIFERE. Foods

Hembar, Pb., Ulmus campestris, Linn., URTICACE E. Foods

Hemp, Eng., Cannabis sativa, Linn., URTICACE.E. Foods

Hemp, False, Eng., Crotalaria juncea, Linn., LEGUMINOS.E. Foods

Hemp, Indian or Deccani, Eng., Hibiscus cannabinus, Linn., MALVACEÆ. Foods Hemp, Rosselle, Eng., Hibiscus cannabinus, Linn., MALVACE ... Foods Henbane, Eng., Hyoscyamus niger, Linn., Solanace E. Foods Herar (Poisonous forms), Agaricus campestris, Linn., Fungi. Herra, Hind., Terminalia chebula, Rets., COMBRETACE E. Foods Heru, Pb., Quercus Ilex, Linn., CUPULIFERÆ. Foods Hevúr, Bom., Acacia leucophlæa, Willd., LEGUMINOSÆ. Foods Hibiscus, Edible, Eng., Hibiscus esculentus, Linn., MALVACER. Foods Hibiscus, Hemp-leaved, Eng., Hibiscus cannabinus, Linn., MALVACER. Foods Hikpi, Lepcha, Indigofera pulchella, Roxb., LEGUMINOS E. Hilikha, Ass., Terminalia chebula, Rets., COMBRETACE R. Foods Hillooa, Hind., Pers., Asparagus officinalis, Willd., LILIACE E. Foods Hilyoon, Beng., Asparagus officinalis, Willd., LILIACER. Hims, Arab., Cicer arietinum, Linn., LEGUMINOSÆ. Foods Himu, Hind., Morus serrata, Roxb., URTICACEÆ. Foods Hindwana, N.-W. P., Citrullus vulgaris, Schrad., CUCURBITACER. Foods Hing, Beng., Hind., Ferula Narthex, Boiss., UMBELLIFERA. Foods Hingan, Mar., Balanites Roxburghii, Planch., SIMARUBER. Foods Hingol, Hind., Balanites Roxburghii, Planch., SIMARUBE E. Foods Hingore, Ass., Castanopsis rufescens, Hook. f & Th., CUPULIFERE. Foods Hingota, Hind., Balanites Roxburghii, Planch., SIMARUBE.E. Foods Hingu, Hind., Balanites Roxburghii, Planch., SIMARUBE E. Foods Hingu, Sans., Ferula Narthex, Boiss., UMBELLIFERÆ. Foods Hippe, Kan., Bassia longifolia, Willd., SAPOTACE A. Foods Hisalu, Kumaun, Rubus ellipticus, Smith, ROSACE E. Foods Hisalu, Hind., Rubus paniculatus, Smith, ROSACE A. Foods

Hittum, Gond., Sterculia urens, Roxb., STERCULIACE A.

Hiar, Pb., Cocculus Leæba, DC., MENISPERMACEÆ.

Hiun-garna, Pb., Capparis horrida, Linn., CAPPARIDER.

Hlo sa hlot-kúng, Lepcha, Prunus Padus, Linn., ROSACER.

Hlyanpyoo, Burm., Sterculia fœtida, Linn., STERCULIACE E.

Foods

Foods

Foods

Foods

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Hman, Burm., Feronia Elephantum, Correa., RUTACER.
    Foods
Hnan, Burm., Sesamum indicum, Linn., PEDALINE E.
    Foods
Hodung, Ladak, Populus euphratica, Olivier, SALICINE E.
    Foods
Hogla, Beng., Typha elephantina, Rozb., TYPHACEE.
    Foods
Hog-plum, Eng., Spondias mangifera, Pers., ANACARDIACE.A.
    Foods
Hol, Afg., Lahoul, Medicago falcata, Linn., LEGUMINOS.E.
    Foods
Holma, Pb., Leea aspera, Wall., AMPELIDER.
    Foods
Honge, Kan., Bassia latifolia, Roxb., SAPOTACER.
    Foods
Hoom, Bom., Saccopetalum tomentosum, Hook., ANONACE A.
    Foods
Hop, Eng., Medicago lupulina, Linn., LEGUMINOSA.
    Foods
Hops, Eng., Humulus Lupulus, L., URTICACE E.
    Foods
Horina, Beng., Vitex leucoxylon, Linn., VERBENACE.
    Foods
Hornbean Hop, Eng., Ostrya carpinifolia, Scop., CUPULIFERE.
    Foods
Horse Chestnut, Indian, Eng., Æsculus indica, Colebr., SAPINDACE E.
    Foods
Horse Gram, Eng., Dolichos biflorus, Linn., LEGUMINOS E.
    Foods
Horse Radish or Ben Nut Tree, Eng., Moringap terygosperma, Gærtn.,
    MORINGEÆ. Foods
Horse Tail, Eng., Equisetum debile, Roxb., Equisetace E.
    Foods
Howa, Pb., Solanum gracilipes, Done., SOLANACE E.
    Foods
Hpalan, Burm., Bauhinia racemosa, Lam., LEGUMINOS.E.
    Foods
Hsaymakyee, Burm., Vangueria spinosa, Roxb., Rubiace E.
    Foods
Hseng neng thayet, Burm., Mangifera sylvatica, Rozb., ANACARDIACE A.
    Foods
Hshoo, Burm., Carthamus tinctorius, Linn., Compositæ.
    Foods
Htan, Burm., Borassus flabelliformis, Linn., PALMÆ.
    Foods
Htouksha, Burm., Vitex leucoxylon, Linn., VERBENACEÆ.
    Foods
Hub-ul-mushk, Arab., Hibiscus Abelmoschus, Linn., MALVACEA.
Huile de Sesame, Fr., Sesamum indicum, Linn., PEDALINE E.
    Foods
Hujed, Arab., Adansonia digitata, Linn., MALVACEE.
    Foods
Hula, Pb., Rumex Wallichii, Meisn., Polygonace A.
    Foods
Hulashing, Pb., Rhus semi-alata, Murray, ANACARDIACE E.
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Hulhul, Pb., Gynandropsis pentaphylla, DC., CAPPARIDEÆ. Foods

Hulluch, Ass., Terminalia belerica, Roxb., COMBRETACEÆ.

Foods

Humbili, Tam., Maba buxifolia, Pers., EBENACE E. Foods

Humbu, Pb., Ladak, Myricaria elegans, Royle, TAMARISCINE.E. Foods

Husaiban-achsir, Arab., Rosmarinus officinalis Linn., LABIATE.E. Foods

## I

Ibharankusha, Beng., Hind., Andropogon laniger, Desf., GRAMINE... Foods .

Ichal, Kan., Phoenix farinifera, Willd., PALME.
Foods

Ik, Beng., Saccharum officinarum, Linn., GRAMINER.

Ikh, N.W. P. & Oudh, Saccharum officinarum, Linn., GRAMINE.E. Foods

Ikhari, N.-W. P. & Oudh, Saccharum officinarum, Linn., GRAMINEÆ. Foods

Ikshu (pale var.), Sans., Saccharum officinarum, Linn., GRAMINE.E. Foods

Ilavan, Tam., Eriodendron anfractuosum, DC., MALVACEÆ.
Foods

Illavam, Tam., Bombax malabaricum, DC., MALVACEÆ. Foods

Illupi, Tam., Bassia latifolia, Rozb., SAPOTACER.

Foods .

Imbir, Pb., Ulmus campestris, Linn., URTICACEE.

Foods .

Imli, Hind., Tamarindus indica, Linn., LEGUMINOSÆ.

Inderjau, Hind., Holarrhena antidysenterica, Wall., APOCYNACE.E. Foods

Indian-corn, Eng., Zea Mays, Linn., GRAMINER.
Foods

Indra-varuni, Sans., Citrullus Colocynthis, Schrad., CUCURBITACE.E. Foods

Indrawan, Dec., Citrullus Colocynthis, Schrad., Cucurbitace E. Foods

Indrayan, Hind., Citrullus Colocynthis, Schrad., CUCURBITACE.E. Foods

Induga, Tel., Strychnos potatorum, Linn. f., LOGANIACEÆ.
Foods

Ingie, Tam., Zingiber officinale, Roscoe, SCITAMINEÆ.
Foods

Ingrach, Pb., Fragaria vesca, Linn., ROSACRÆ.
Foods .

Ingua, Hind., Balanitis Roxburghii, Planch., SIMARUBE.E. Foods

Inguva, Tel., Ferula Narthex, Boiss., UMBELLIFERE. Foods

Inzarra, Pb., Grewiz villosa, Willd., TILIACE E. Foods

Ippi, Tel., Bassia latifolia, Roxb., SAPOTACE.E. Foods

Ippi, Tel., Bassia longifolia, Willd., SAPOTACE.E. Foods

Irambali, Tam., Maba buxifolia, Pers., EBENACEÆ.

Foods

Iron-wood, Indian, Eng., Messua ferrea, Linn., GUTTIFERE.

Foods

Iron-wood Tree, Eng., Melocanna bambusoides, Tarin., GRAMINE E.

Foods Irr, Pb., Chenopodium album, L., CHENOPODIACEÆ.

Foods

Irrip, Gondi, Bassia latifolia, Roxb., SAPOTACEÆ.

Foods

Irun, C. P., Zizyphus Œnoplia, Mill., RHAMNEÆ. Foods

Irúp, Gondi, Bassia latifolia, Roxb., SAPOTACE A.

Foods

Ischi, Mal., Zingiber officinale, Roscoe, Scitamine E. Foods

Is-panaj, Arab., Pers., Spinacia oleracea, Mill., CHENOPODIACE A. Foods

Isur, Pb., Xanthium strumarium, Linn., Composita. Foods

Ivy, Eng., Hedera Helix, Linn., ARALIACEE. Foods

# J

Jack Tree, Eng., Artocarpus integrifolia, Linn., URTICACE A.

Foods

Jadicai, Tam., Myristica moschata, Willd., MYRISTICE E. Foods

Jadiya, Hind., Brassica campestris, Linn., var. campestris proper, CRUCIFERÆ. Foods

Jaephal, Hind., Myristica moschata, Willd., MYRISTIGEÆ. Foods

Jagrai, Hind., Brassica nigra, Koch., CRUCIFERE.

Foods Jagya, Beng., Ficus glomerata, Roxb., URTICACER.

Foods

Jai, Hind., Avena sativa, Linn., GRAMINE A. Foods

Taia-phula, Beng., Myristica moschata, Willd., MYRISTICER. Foods

Jaipal (Nutmeg), Hind., Myristica moschata, Willd., MYRISTICE A. Foods

Jait, Hind., Sesbania ægyptiaca, Pers., LEGUMINOSÆ. Foods

Jajikaia, Tel., Myristica, moschata, Willd., MYRISTICE A.

Foods Jal, Hind., Pb., Tam., Salvadora oleoides, Linn., SALVADORACE A. Foods

Jai, N.-W. P., Salvadora persica, Garcin., SALVADORACE R. Foods

Jála, Pb., Ladak, Potamogeton gramineus, L., NAIADACEÆ. Foods

Jalar-tor pandol, Pb., Trichsanthes anguina, Linn., CUCURBITACE A.

Jal-bagu, Pb., Viburnum stellulatum, Wall., CAPRIFOLIACE E. Foods

Jalghoza, Afg., Pinus Geradiana, Wall., CONIFERÆ. Foods

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Jalidar, Salt Range, Grewia villosa, Willd., TILIACER.
    Foods
Jalidar, Pb., Rhamnus persicus, Boiss., RHAMNER.
    Foods
Jal kukar, Pb., Tulipa stellata, Hook., LILIACEÆ.
    Foods
Jallur, Hind., Bauhinia Vahlii, W. & A., LEGUMINOSÆ.
    Foods
Jalpai, Beng., Elæocarpus serratus, Linn., TILIACEÆ.
   Foods
Jal-sawank, N.-W. P., Panicum crus-galli, Linn., GRAMINE E.
    Foods
Jám, Beng., Hind., Eugenia Jambolana, Lam., MYRTACEÆ.
    Foods
Jam, Hind., Sizygium jambolanum, DC., MYRTACEÆ.
    Foods
Jama, Tel., Psidium Guyava, Radi., MYRTACEÆ.
Jáman, Beng., Hind., Eugenia jambolana, Lam., MYRTACEÆ.
Jaman, Hind., Sizygium Jambolanum, DC., MYRTACE E.
Jamana, Hind., Prunus Padus, Linn., ROSACEA.
    Foods
Jamara, Kashmir, Viburnum fœtens, Decaisne, CAPRIFOLIACE E.
   Foods
Jambira, Sans., Citrus medica, Linn., RUTACEÆ.
Jamb khúdi, Beng., Antidesma Ghæsembila, Gærin., Euphorbiace 🕰
    Foods
Jambo-ayer, Eugenia aquea, Burm., MYRTACEÆ.
    Foods
Jambool, Bom., Eugenia Jambolana, Lam., MYRTACER.
    Foods
Jambool, Bom. Sizygium jambolanum, DC., MYRTACE A.
    Foods
Jambu, Tam., Prosopis spicigera, Linn., LEGUMINOSÆ.
    Foods
Jamoon, Beng., Hind., Eugenia Jambolana, Lam., MYRTACEÆ.
    Foods
Jamrool, Beng., Hind., Eugenia javanica, Lamk., MYRTACEÆ.
    Foods
Jamrool, Malacca, Beng., Hind., Eugenia malaccensis, Linn., MYRTACE A.
    Foods
Jamu, Ass., Eugenia Jambolana, Lam., MYRTACEÆ.
    Foods
Jamu, Ass., Sizygium jambolanum, DC., MYRTACEÆ.
    Foods
Jámun, Hind., Sizygium jambolanum, DC., MYRTACEÆ.
   Foods
Janar, Beng., Zea Mays, Linn., GRAMINEÆ.
   Foods
Jandar lamba, Pb., Aristida depressa, Rets., GRAMINEÆ.
Jangi, Him. name, Corylus Colurna, Linn., CUPULIFERE.
    Foods
Jangra, Sind., Zizyphus nummularia, W. & A., RHAMNER.
    Foods
Janjhan, Hind., Sesbania ægyptiaca, Pers., Leguminosæ.
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Japhala, Bom., Aleurites moluccana, Willd., Euphorbiace E.

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Jara, Circars, Grewia salvifolia, Heyne, TILIACEE.
Tard-aru hari, Pb., Prunus armeniaca, Linn, ROSACEE.
    Foods
Jarila, Nep., Elæagnus latifolia, Linn., ELÆAGNEÆ.
    Foods
Jariya, Hind., Brassica campestris, Linn., var. campestris proper,
    CRUCIFERÆ. Foods
Jarlangei, Pb., Lonicera quinquelocularis, Hardwicke, CAPRIFOLIACE A.
    Foods
Jarosse, Eng., Lathyrus sativus, Linn., LEGUMINOSÆ.
    Foods
Jati, Hind., Myristica moschata, Willd., MYRISTICE A.
    Foods
Jati-koroi, Ass., Albizzia odoratissima, Benth., LEGUMINOSÆ.
    Foods
Jatiphala, Sans., Myristica moschata, Willd., MYRISTICE R.
    Foods
Jatipullum, Cingh., Myristica moschata, Willd., Myristice &.
    Foods
Jauntari (Mace), Hind., Myristica moschata, Willd, MYRISTICE A.
    Foods
Jav, Hind., Hordeum vulgare, Linn., GRAMINE E.
    Foods
Java, Tel., Hordeum vulgare, Linn., GRAMINEÆ.
    Foods
Jawa, Pb., Viburnum cotinifolium, Don., CAPRIFOLIACE E.
Jawani, Pb., Cicer soongaricum, Steph., LEGUMINOS.
    Foods
Jawari, C. P., Sorghum vulgare, Pers., LEGUMINOS.E.
Jayanti, Beng., Sesbania ægyptiaca, Pers. LEGUMINOSÆ.
    Foods
Jazar, Arab., Daucus Carota, Linn., Umbellifere.
    Foods
Jei, Hind., Avena fatua, Linn., GRAMINE A.
    Foods
Jerimu, Simla, Acer cultratum, Wall., syn. of Acer pictum, Thumb.
    SAPINDACEÆ. Foods
Jewar, Pb., Euryale erox, Salisb., Nymphæaceæ.
    Foods
Jhal, Hind., Pb., Tam., Salvadora oleoides, Linn., Salvadorace E.
    Foods
Jhand, Pb., Prosopis spicigera, Linn., LEGUMINOSA.
    Foods
Jhangora, Kumaun & Garhwal, Panicum frumentaceum, Roxb.
    GRAMINEÆ. Foods
Jhar, Hind., Pb., Tam., Salvadora oleoides, Linn., SALVADORACEE.
    Foods
Jhari, N.-W. P., Zizyphus nummularia, W. & A., RHAMNEÆ.
    Foods
Jhikrai, Beng., Vigna pilosa, Baker, LEGUMINOSÆ.
    Foods
Jhinga, Beng., Luffa acutangula, Roxb., Cucurbitace E.
    Foods
Jhingan, Hind., N.-W. P., Odina Wodier, Roxb., ANACARDIACE E.
    Foods
Jhinja, Ajmir, Bauhinia racemosa, Lam., LEGUMINOSÆ.
    Foods
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Jhinjan, Hind., Sesbania ægyptiaca, Pers., Leguminos A.

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Thinjhor, N.-W. India, Eleusine indica, Gartn., GRAMINE A.
    Foods
Jhunjhuni-ankari, Hind., Vicia hirsuta, Kock., Leguminosæ.
    Foods
Jhusa, N.-W. P., Eragrostis plumosa, Link., GRAMINER.
Jia puta, Hind, Putranjiva Roxburghii, Wall., EUPHORBIACE ...
    Foods
Jiban, N.-W. P., Odina Wodier, Roxb., ANACARDIACE &.
    Foods
Iidimamidi, Tel., Anacardium occidentale, Linn., ANACARDIACE E.
    Foods
Jidkar, Pb., Flacourtia sepiaria, Roxb., BIXINEÆ.
    Foods
Jinga, Hind., Beng., Luffa acutangula, Roxb., Cucurbitace &.
Jinti, Chenab, Prinsepia utiles, Royle, ROSACER.
    Foods
Jira, Beng., Carum Carui, Linn., UMBELLIFERÆ.
    Foods
Jira, Beng., Cuminum Cyminum, Linn., UMBELLIFERÆ.
Jiraka, Sans., Tel., Cuminum Cyminum, Linn., UMBELLIFERA.
    Foods
Jiri, Tel., Semecarpus Anacardium, Linn., ANACARDIACE A.
    Foods
Jirka, Pb., Phytolacca acinosa, Roxb., VERBINACEÆ.
    Foods
Jirugu, Tel., Caryota urens, Willd., PALMÆ.
    Foods
Jit, Pb., Salvadora persica, Garcin, SALVADORACE.
    Foods
Jittupáku, Tel., Dæmia extensa, R. Br., ASCLEPIADEÆ.
    Foods
Jiyal, Beng., Odina Wodier, Roxb., ANACARDIACE E.
    Foods
Job's tears, Eng., Coix lachryma, Linn., GRAMINE E.
    Foods
Jondri, Mar., Antidesma Ghæsembilla, Gærtn., EUPHORBIACE E.
    Foods
Jonna, Tel,, Sorghum vulgare, Pers., GRAMINE A.
    Foods
Jool-palum, Hind., Rumex Wallichii, Meisn., Polygonace A.
    Foods
Joti-juti, Hind., Putranjiva Roxburghii, Wall., EUPHORBIACE A.
    Foods
Jowan, Beng., Carum copticum, Benth., UMBELLIFERÆ.
Juar, N.-W. P. & Oudh, Beng., Hind., Sorghum vulgare, Pers.,
    GRAMINEÆ. Foods
Jub, Beng., Hordeum vulgare, Linn., GRAMINE A.
    Foods
Juephal, Hind., Myristica moschata, Willd., MYRISTICE A.
    Foods
Jujube, Eng., Zizyphus Jujuba, Lam., RHAMNER.
    Foods
Jum, Beng., Garuga pinnata, Roxb., Burserace E.
    Foods
Jong-song, Lepcha, Eugenia obovata, Wall., MYRTACEÆ.
    Foods
Juniper, Eng., Juniperus communis, Linn., CONIFERÆ.
    Foods
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Junvásá, Hind., Bom., Alhagi maurorum, Desv., Leguminosæ. Foods .

Juni, N.-W. P. & Oudh, Sorghum vulgare, Pers., GRAMINE... Foods

Junci, Hind., Zea Mays, Linn., GRAMINER.

Jutuk, Hind., Dec., Dæmia extensa, R. Br., ASCLEPIADEÆ.
Foods

Juwasa, Hind., Bom., Alhagi maurorum, Desv., Leguminos. E. Foods .

Jvári, Deccan, Sorghum vulgare, Pers., LEGUMINOSE. Foods

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Kabal, Cingh., Albizzia stipulata, Boivin., LEGUMINOS.E. Foods

Kabar, Hind., Ficus cordifolia, Roxb., URTICACEE.
Foods

Kabar, Sind., Salvadora persica, Garcin., SALVADORACEÆ. Foods

Kabbar, Pb., Cynodon Dactylon, Pers., GRAMINE E. Foods

Kabbar, Hind., Pb., Tam., Salvadora oleoides, Linn., SALVADORACE E. Foods

Kabra, Ladak, Capparis spinosa, Linn., CAPPARIDER. Foods

Kabuli, Hind., Lagenaria vulgaris, Seringe., CUCURBITACE.E. Foods

Kachará, Bom., Cyperus rotundus, Linn., CYPERACEÆ. Foods

Kachein, Sutlej, Melia Azedarach, Linn., MELIACEÆ. Foods

Kach-hur, N.-W. P. & Oudh, Cyamopsis psoralioides, DC., LEGUMINOS.E. Foods

Kachir, Hind., Cornus macrophylla, Wall., CORNACE E.

Kachmach, Pb., Solanum nigrum, Linn., SOLANACEÆ. Foods

Kachnál, Hind., Bauhinia racemosa, Lam., Leguminos. E. Foods

Kachnar, Pb., Bauhinia purpurea, Linn., LEGUMINOS.E.

Foods .

Kachnár, Hind., Bauhinia variegata, Linn., LEGUMINOSÆ.
Foods .

Kachra (unripe), Hind., Cucumis Melo, Linn., var. Momordica (sp. Roxb.), Cucurbitace E. Foods

Kachú, Hind., Beng., Colocasia antiquorum, Schott., AROIDEÆ. Foods

Kachur, Hind., Cornus macrophylla, Wall., CORNACE E.

Foods
Kadagho, Tam., Brassica nigra, Koch., CRUCIFERÆ.

Foods

Kadakai, Tam., Terminalia chebula, Rets., Combretace E.
Foods

Kadalay, Tam., Cicer arietinum, Linn., LEGUMINOSÆ.

Kadali, Sans., Musa sapientum, Linn., SCITAMINEÆ. Foods

Kadam, Beng., Mar., Anthocephalus Cadamba, Miq., Rubiace. E.

Foods . Kadamba, Sans., Bom., Tam., Anthocephalus Cadamba, Miq., RUBIACE.E.

Kadambe, Tel., Anthocephalus Cadamba, Miq., RUBIACE.E. Foods

Kadami, Tel., Eriodendron anfractuosum, DC., MALVACEÆ.
Foods

Kada-rai, Beng., Brassica campestris, Linn., var. campestris proper, CRUCIFERE. Foods .

Kaddam, Hind., Anthocephalus Cadamba, Miq., RUBIACER.

Foods , Kaddu, Hind., Pb., Lagenaria vulgaris, Seringe., CUCURBITACE A. Foods

Kaddú, Mitha, N.-W. P., Cucurbita moschata, Duchesne, Cucurbitace A. Foods

Kadera, Simla, Ilex dipyrena, Wall., ILICINE E. Foods

Kadimah, Beng., Hind., Cucurbita Pepo, DC., CUCURBITACER. Foods

Kadot, Burm., Ficus hispida, Linn. f., URTICACEE.
Foods

Kadrajuvi, Tel., Putranjiva Roxburghii, Wall., Euphorbiace E. Foods

Kadu, Hind., Cucurbita maxima, Duchesne, Cucurbitace. Foods

Kadungbi, Lepcha, Clerodendron Colebrookianum, Walp., VERBINACE.E.

Kagara, Hind., Saccharum spontaneum, Linn., GRAMINEÆ.

Kagsha, Hind., Ficus hispida, Linn. f., URTICACEÆ. Foods

Kahi, Pb., Saccharum spontaneum, Linn., GRAMINEÆ. Foods

Kahu, Hind., Pb., Lactuca scariola, Linn., Compositæ. Foods

Kahu, Sind, Saccharum spontaneum, Linn., GRAMINE E. Foods

Kaida, Mal., Pandanus odoratissimus, Willd., PANDANEÆ.
Foods

Kaikar, Hind., Garuga pinnata, Roxb., BURSERACE.E.

Kaikra, C. P., Garuga pinnata, Roxb., BURSERACE E. Foods

Kain, Pb., Ulmus campestris, Linn., URTICACE.E. Foods

Kain, Pb., Ulmus Wallichiana, Planch., URTICACEÆ. Foods

Kaiphal, N.-W. P., Myrica sapida, Wall., MYRICACE.E. Foods

Kairt, Tam., Feronia Elephantum, Correa., RUTACER.
Foods

Kaisho, Ass., Briedelia montana, Willd., EUPHORBIACEÆ. Foods

Kait, Beng., Feronia Elephantum, Correa., RUTACER. Foods

Kaita-chakka, Mal., Ananassa sativa, Linn., BROMELIACEÆ. Foods

Kajooli (red var.), Beng., Saccharum officinarum, Linn., GRAMINEÆ. Foods

Kajú, Hind., Anacardium occidentale, Linn., ANACARDIACE. Foods

Kajutalam, Lepcha, Rubus lasiocarpus, Smith, ROSACER. Foods

Kak, Pb. Hills, Ficus virgata, Rozb., URTICACEA. Foods

Kaka, Pb., Pistacia integerrima, J. L. Stewart, ANACARDIACE E. Foods

Kakachanchu, Sans., Abrus precatorius, Linn., Legum nosæ. Foods

Kákadi, Bom., Cucumis sativus, Linn., Cucurbitace A.

Foods

Kakangi, Sans., Aponogeton monostachyum, Linn., NAIADACEE.

Kakari-kai, Tam., Cucumis Melo, Linn., var. Momordica (sp. Roxb.), CUCURBITACEÆ. Foods

Kakei, Pb., Pteris equilina, Linn., GRAMINE A.

Foods Kaddu-Mitha, N.-W. P., Cucurbita moschata, Duchesne, Cucurbitacem. Foods

Kakhash, Pb., Pteris equilina, Linn., GRAMINER. Foods

Kakindu, Sans., Diospyros tomentosa, Roxb., EBENACEÆ. Foods

Kakkar, Pb., Pistacia integerrima, Y. L. Stewart, ANACARDIACE E. Foods

Kaknag, Bom., Withania coagulans, Dun., SOLANACE E. Foods

Kako doomoor, Beng., Ficus hispida, Linn. f., URTICACE E.

Foods Kakrasinghi, Beng., Pistacia integerrima, J. L. Stewart, ANACARDIACER.

Kakri, Pb., Nelumbium speciosum, Willd., NYMPHEACEE. Foods

Kakri, Pb., Rhus semi-alata, Murray, ANACARDIACE A.

Kakru, Pb., Acer cultratum, Wall., syn. of Acer pictum, Thunb., SAPINDACEÆ. Foods

Kaksh, Hind., Cornus macrophylla, Wall., CORNACE E. Foods

Kakua, Pb., Arenaria holosteoides, Edge., CARYOPHYLLER. Foods

Kakun, Pb., Securinega Leucopyrus, Müll.-Arg., EUPHORBIACEÆ. Foods

Kakun, N.-W. P. & Oudh, Setaria italica, Kunth., GRAMINER. Foods

Kala, Beng., Musa sapientum, Linn., Scitamine R. Foods

Kala, Nep., Rubus lasiocarpus, Smith, ROSACEÆ. Foods

Kala, Hind., Rubus paniculatus, Smith, ROSACER. Foods

Kalaaha, Tam., Carissa Carandas, Linn., APOCYNACE E. Foods

Kala-akhi, Kangra, Rubus paniculatus, Smith, ROSACE E. Foods

Kalá-akolá, Bom., Alangium Lamarckii, Thwaites, CORNACE E.

Kal baghi, Kan., Albizzia Lebbek, Benth., LEGUMINOSA. Foods

Kal baghi, Kan., Albizzia stipulata, Boivin., LEGUMINOSE. Foods

Kala bogoti, Nep., Baccaurea sapida, Müll.-Arg., EUPHORBIACE. Foods Kala-hisalu, Kumaun, Rubus lasiocarpus, Smith, ROSACEE. Foods Kalajam, Beng., Sizygium jambolanum, DC., MYRTACE A. Foods Kalajira, Beng., Nigella sativa, Linn., RANUNCULACER. Foods Kalakadu, Bom., Hymenodictyon excelsum, Wall., Rubiace A. Foods Kalakalaya, Hind., Ribes glaciale, Wall., SAXIFRAGACEE. Foods Kala kasturi, Beng., Hibiscus Abelmoschus, Linn., MALVACER. Foods Kalakat, Pb., Prunus Padus, Linn., ROSACER. Foods Kalambi, Sans., Ipomæa aquatica, Forsk., Convolvulace... Foods Kala-marich, Beng., Hind., Piper nigrum, Linn., PIPERACE A. Foods Kala-mewa, Pb., Solanum verbascifolium, Linn., Solanace. Foods Kalasnar, Beng., Panicum paludosum, Rozb., GRAMINEÆ. Foods Kala titmaliva, Kumaun, Viburpum coriaceum, Bl., CAPRIFOLIACEE. Kala túlsí, Hind., Beng., Tel., Ocimum sanctum, Linn., LABIATÆ. Foods Kalawar, Kumaun, Rubus lasiocarpus, Smith, Rosace E. Foods Kale, Green, Eng., Brassica (oleracea) acephala, Linn., CRUCIFERE. Foods Kalee-jeeree, Bom., Vernonia anthelmintica, Willd., Composite. Foods Kalejira, Bom., Hind., Nigella sativa, Linn., RANUNCULACE ... Foods Kalga, Sutlej, Rubus niveus, Wall., ROSACE A. Foods Kali, Pb., Bupleurum falcatum, Linn., var. marginata, Wall., UMBELLIFERÆ, Foods Kaliar, Hind., Bauhinia purpurea, Linn., LEGUMINOSA. Foods Kaliezeorie, Hind., Vernonia anthelmintica, Willd., Composita. Foods Kali jarri, Pb., Salvia Moorcroftiana, Wall., LABIATÆ. Foods Kali-kiker, Bom., Acacia arabica, Wild., Leguminosæ. Foods Kalinda, N.-W. P., Citrullus vulgaris, Schrad., CUCURBITACER. Foods Kali-taroi, Bundelkhand, Luffa acutangula, Roxb., Cucurbitace. E. Foods Kali-zeerie, Dec., Vernonia anthelmintica, Willd., Compositz. Foods Kallai, C. P., Dillenia pentagyna, Roxb., DILLENIACE.E. Foods Kallat, Pb., Dolichos biflorus, Linn., LEGUMINOSÆ. Foods

Kalmi-sak, Beng., Ipomæa aquatica, Forsk., Convolvulace A.

Kalon, N.-W. P., Pisum arvense, Linn., LEGUMINOS.E.

Foods

Kalongi, Bom., Hind., Nigella sativa, Linn., RANUNCULACER. Foods .

Kalru, Ajmir, Sterculia urens, Roxb., STEECULIACER. Foods

Kalthaun, Pb., Ehretia acuminata, Br., BORAGINEÆ. Foods

Kal-thuringi, Tam., Albizzia odoratissima, Benth., LEGUMINOSÆ. Foods

Kalucho, Pb., Ilex dipyrena, Wall., ILICINEE. Foods

Kalúi, Beng., Vigna pilosa, Baker, LEGUMINOSA.

Foods .

Kalusra, N.-W. P., Sparobolus tenacissimus, Beauv., GRAMINEÆ.

Foods .

Kamal, Mysore, Tamarindus indica, Linn., LEGUMINOS.E. Foods

Kamalottara, Sans., Carthamus tinctorius, Linn., Compositæ. Foods

Kamanji, Tam., Briedelia retusa, Spreng., EUPHORBIACE.E. Foods

Kambei, Pb., Solanum nigrum, Linn., SOLANACEE. Foods

Kamboong, Magh., Elæagnus latifolia, Linn., ELÆAGNEÆ.
Foods

Kamlai, Hind., Odina Wodier, Roxb., ANACARDIACEÆ. Foods

Kamla nibu, Beng., Citrus Aurantium, Linn., RUTACEE.

Kammaregu, Tel., Artocarpus Lakoocha, Rozb., URTICACEÆ.

Kámo, Sind, Rhizophora mucronata, Lank., RHIZOPHOREE. Foods

Kamrá, Kan., Hardwickia binata, Roxb., Leguminosæ. Foods

Kámrángá, Beng., Averrhoa Corambola, Linn., GERANIACEÆ. Foods

Kamud-bij (seeds), Pb., Kashmir, Nymphoea alba, Linn., Nymphoeae.E. Foods

Kamwepila, Tam., Murrayaii Koenigii, Spr., RUTACE.E. Foods

Kanachi, Pb., Rubus fruticosus, Linn., ROSACEÆ.

Foods -. Kanagoraku, Cingh., Garcinia Morella, Desr., Guttifer. Foods .

Kanak, Pb., Sageretia oppositifolia, Brongn., RHAMNER. Foods

Kana kach, Pb., Morchella semilibera, L., Fungi.

Kanala, Beng., Gynandropsis pentaphylla, DC., CAPPARIDEÆ. Foods

Kanazo, Burm., Baccaurea sapida, Mill.-Arg., EUPHORBIACE.E. Foods .

Kanchari, Pb., Carduus nutans, Linn., COMPOSITE. Foods

Kancheli, N.-W. P., Acer cultratum, Wall., syn. of Acer pictum, Thunb., SAPINDACE E. Foods

Kanchivalo-do, Kan., Bauhinia variegata, Linn., LEGUMINOS.E. Foods

Kanchu, Tel., Acacia Catechu, Willd., Leguminos.E. Foods

Kanchura, Beng., Commelina bengalensis, L., COMMELINACER. Foods.

Kanda, Pb., Sageretia theezans, Brongn., RHAMNEE.

Kándan, Hind., Bauhinia variegata, Linn., LEGUMINOS.E. Foods

Kandar, Pb., Cornus macrophylla, Wall., CORNACE E. Foods

Kandei, Pb., Flacourtia Ramontchi, L'Herit., BIXINEÆ.

Foods
Kandi, Sind, Prosopis spicigera, Linn., LEGUMINOS.E.
Foods

Kandiara, Pb., Carthamus oxyacantha, Bieb., Composite.

Kandiara kandei, Pb., Astragalus multiceps, Wall., LEGUMINOSÆ. Foods

Kandiari, Kashmir, Rubus lasiocarpus, Smith, ROSACEÆ. Foods

Kandiari, Pb., Solanum gracilipes, Done., Solanace E. Foods

Kandieri, Pb., Cousinia minutu, Boiss., Compositæ. Foods

Kandurí, Pb., Cephalandra indica, Naud., CUCURBITACEÆ. Foods

Kanga, Tel., Pongamia glabra, Vent., LEGUMINOSÆ. Foods

Kangar, Pb., Pistacia integerrima, J. L. Stewart, ANACARDIACE E. Foods

Kanghol mirch (the fruit), Pb., Celtis caucasica, Willd., URTICACE.E.
Foods

Kangi, Nep., Wendlandia exserta, DC., Rubiacez. Foods .

Kangji, Lepcha, Ficus bengalensis, Linn., URTICACE E. Foods

Kangri, Indian. See Phœnix farinifera, Willd., PALMÆ. Foods

Kangri, N.-W.P. & Oudh, Setaria italica, Kunth., GRAMINEÆ. Foods .

Kangú, Pb., Flacourtia Ramontchi, L'Herit., BIXINER. Foods

Kangu, Pb., Lycium europœum, Linn., SOLANACEÆ. Foods

Kanguruku (red var.), Sans., Saccharum officinarum, Linn., GRAMINEÆ. Foods

Kanhya, Nep., Ficus Cunia, Buch., URTICACE E.

Foods . Kaniár, Hind., Bauhinia variegata, Linn., Leguminos. E. Foods .

Kanj, Hind., Toddalia aculeata, Pers., RUTACEÆ.

Foods

Kanjar, Pb., Acer cultratum, Wall., syn. of Acer pictum, Thunb.,
SAPINDACE E. Foods

Kanju, Kumaun, Ulmus integrifolia, Rozb., URTICACE E.

Kanka, Tel., Dendrocalamus strictus, Nees., GRAMINEÆ.

Foods .

Kankóli, Pb., Elæagnus umbellata, Thunb., ELÆAGNEÆ.
Foods .

Kankrei, Hind., Butea frondosa, Roxb., LEGUMINOS.E. Foods

Kankri, Hind., Cucumis Melo, Linn., var. utilissimus (sp. Roxb)., Cucurbitacez. Foods

Kán-kur, Beng., Cucumis Melo, Linn., var. utilissimus (sp. Rozb.), Cucurbitaceæ. Foods

Kanna, Pb., Commelina bengalensis, L., COMMELINAGEÆ. Foods

Kannu-palle, Tam., Mimusops hexandra, Roxb., SAPOTACE.E. Foods

Kanom, Lepcha, Terminalia belerica, Roxb., COMBRETACE.E. Foods

Kanor, Hind., Pb., Æseulus indica, Colebr., SAPINDACEÆ. Foods

Kanphúl, Pb., Taraxacum officinale, Wigg., Compositæ. Foods

Kanru, Tel., Flacourtia sepearia, Roxb., BIXINE.E. Foods

Kans, Hind., Beng., Saccharum canaliculatum, Roxb., GRAMINER. Foods

Kans, Hind., Pb., Saccharum spontaneum, Linn., GRAMINEÆ. Foods

Kansi, Lahoul, Ribes Grossularia, Linn., SAXIFRAGACEÆ.

Kanta, N-W. P., Zizyphus nummularia, W. & A., RHAMNER. Foods

Kantakári, Beng., Solanum xanthocarpum, Schrad. & Wendl., Solanace... Foods

Kantauch, Pb., Rubus biflorus, Ham., ROSACE E.

Foods .

Kanthal, Beng., Artocarpus integrifolia, Linn., URTICACEÆ. Foods

Kanthan, Pb., Daphne mucronata, Royle, THYMELEACEE. Foods

Kantian, Pb., Rosa Webbiana, Wall., ROSACE E. Foods

Kantiari, Pb., Carthamus oxyacantha, Bieb., Compositæ. Foods

Kantjer, Lepcha, Antidesma diandrum, Tulasne, Euphorbiace. Foods

Kantu-kelangu, Tam., Dioscorea aculeata, Roxb., Dioscoreace.k. Foods

Kanuraka, Beng., Commelina bengalensis, L., COMMELINACE.E.
Foods

Kanvaár, Sind, Aloe vera, Linn., LILIACEÆ. Foods

Kanval, Hind., Nelumbium speciosum, Willd., NYMPHEACEE.
Foods

Kanwal, Hind., Pb., Nelumbium speciosum, Willd., NYMPHEACEE. Foods

Kanyá, Sans., Aloe vera, Linn., LILIACEÆ.

Foods .

Kanyúrts, Pb., Artemisia parviflora, Rozb., Compositæ.

Foods .

Kanzal, Pb., Acer cultratum, Wall., syn. of Acer pictum, Thumb., SAPINDACEÆ. Foods

Kan zan, Burm., Bassia longifolia, Willd., SAPOTACEE. Foods

Kanzars, Pb., Fragaria vesca, Linn., ROSACEE. Foods .

Káo, Pb., Olea cuspidata, Royle, OLEACEÆ.
Foods

Kapa-kalenga, Mal., Ipomæa Batatus, Lamk., Convolvulace E. Foods

Kapas, Beng., Dec., Gossypium herbaceum, Linn., MALVACE.E. Foods

Kapasi, Him. name, Corylus Colurna, Linn., CUPULIFERE. Foods

Kaphal, N.-W. P., Myrica sapida, Wall., MYRICACE.

Foods

Kapittha, Sans., Feronia Elephantum, Correa., RUTACER.

Foods

Karachu, C. P., Cassia Fistula, Linn., LEGUMINOS.E. Foods

Karafah (roots), Hind., Apium graveolens, Linn., Umbellifers. Foods

Karafsh, Arab., Apium graveolens, Linn., UMBELLIFERE. Foods

Karail, Beng., Dendrocalamus strictus, Nees., GRAMINEE. Foods

Karak, Tel., Terminalia Chebula, Rets., COMBRETACEE. Foods

Karalá, Beng., Momordica Charantia, Linn., Cucurbitacez. Foods

Karamara, Bom., Averrhoa Carambola, Linn., GERANIACE E. Foods

Kara marda, Tam., Terminalia tomentosa, W. & A., COMBRETACEÆ. Foods

Karambru, Pb., Albizzia odoratissima, Benth., LEGUMINOSE.

Karamm, N. Pb. & Ladak, Dracocephalum heterophyllum, Benth., LABIATE, Foods

Karanga, Hind., Prinsepia utilis, Royle, ROSACEE. Foods

Karangal, Pb., Cassia Fistula, Linn., LEGUMINOS.E. Foods

Karangalli, Tam., Acacia Catechu, Willd., LEGUMINOS.E. Foods

Karangi, Mysore, Tamarindus indica, Linn., LEGUMINOS.E. Foods

Karanj, Hind., Pongamia glabra, Vent., LEGUMINOSÆ. Foods

Karanja, Beng., Pongamia glabra, Vent., LEGUMINOSÆ. Foods

Karanji, Hind., Ulmus integrifolia, Rozb., URTICACE... Foods

Karaunda, Hind., Carissa Carandas, Linn., APOCYNACEÆ. Foods

Karay-paak, Hind., Murraya Koenigii, Spr., RUTACEE. Foods

Karbara, Pb., Hedera Helix, Linn., ARALIACEÆ. Foods

Karbi (stalks), Beng., Hind., Sorghum vulgare, Pers., GRAMINE E. Foods

Kare, Kan., Randia dumetorum, Lam., RUBIACEE. Foods .

Karé, Kan., Randia uliginosa, DC., RUBIACE E. Foods

Karea-pela, Mal., Murraya Koenigii, Spr., RUTACEE. Foods

Karea-phul, Hind., Beng., Murraya Kœnigii, Spr., RUTACEÆ. Foods

Karela, Hind., Momordica Charantia, Linn., CUCURBITACE.E. Foods

Karela, Pb., Momordica dioica, Roxb., CUCURBITACEÆ.

Kareli, Hind., Momordica Charantia, Linn., CUCURBITACE ... Foods

Karendera, Simla, Acer villosum, Wall., SAPINDACEA. Foods Karenja, Beng., Carissa Carandas, Linn., APOCYNACEA. Foods Karepak, Tel., Murraya Koenigii, Spr., RUTACEÆ. Foods Karer, Pb., Rubus biflorus, Ham., Rosacez. Foods Kargnalia, Hind., Briedelia montana, Willd., EUPHORBIACE.E. Foods Karhar, Hind., Randia dumetorum, Lam., RUBIACER. Foods Karial, Pb.; Dæmia extensa, R. Br., ASCLEPIADE E. Foods Karik, Pb., Cissus carnosa, Lam., AMPELIDEE. Foods Karil, Pb., Capparis aphylla, Roth., CAPPARIDER. Foods Kari-mughilan, Pers., Acacia arabica, Willd., LEGUMINOS.E. Foods Karir, Hind., Acacia leucophlœa, Willd., Leguminosæ. Foods Karivepa, Tel., Murraya Koenigii, Spr., RUTACER. Foods Kariya-polam, Tam., Aloe vera, Linn., LILIACEE. Foods Karka, Gond., Terminalia Chebula, Rets., COMBRETACE.E. Foods Karkanna, Afg., Zizyphus nummularia, W. & A., RHAMNER. Foods Karkapili, Tam., Pithecolobium dulce, Benth., LEGUMINOSE. Foods Karkar, Pb., Iris kumaonensis, Wall., IRIDE E. Foods Karkaya, Hyderabad, Terminalia tomentosa, W. & A., COMBRETACEE. Foods Karkotta, Beng., Dillenia pentagyna, Roxb., DILLENIACEÆ. Foods Karmai, Beng., Bauhinia malabarica, Roxb., LEGUMINOSA. Foods Karmal, Hind., Averrhoa Carambola, Linn., GERANIACE E. Foods Karmurunga, Sans., Averrhoa Carambola, Linn., GERANIACE E. Foods Karna, Hind., Saccopetalum tomentosum, Hook., ANONACEE. Foods Karni, Kashmir, Panicum frumentaceum, Roxb., GRAMINEM. Foods Karoila, Pb., Capparis horrida, Linn., CAPPARIDER. Foods Karola, Hind., Momordica Charantia, Linn., CUCURBITACE. S. Foods Karo-monga, Tel., Averrhoa Carambola, Linn., GERANIACEA. Foods Karpasi, Sans., Gossypium herbaceum, Linn., MALVACEE. Foods Karra, Tel., Dalbergia Sissoo, Rozb., LEGUMINOSA. Foods

Karrai, Hind., Sterculia urens, Rozb., STERCULIACER.

Karralura, Oudh, Capparis horrida, Linn., CAPPARIDEA.

Foods

Karre vembu, Tam., Garuga pinnata, Roxb., Burserace M. Karri, Hind., Saccopetalum tomentosum, Hook., ANONACE E. Foods Karruwa, Tam., Cinnamomum zeylanicum, Breyn., LAURINE E. Foods Karsh, Pb., Quercus dilatata, Lindl., CUPULIFERE. Foods Karshu, Pb., Quercus semicarpifolia, Smith, CUPULIFERE. Foods Karuk, Pb., Cordia vestita, H. f. & T., BORAGINEÆ. Foods Karukarinda, Dec., Dioscorea bulbifera, Linn., DIOSCOREACE E. Foods Karun, Pb., Euonymus fimbriatus, Wall, CELASTRINE E. Foods Karun, Pb., Morus serrata, Rozb., URTICACEÆ. Foods Karuna, Tam., Mal., Amorphophallus campanulatus, Blume., AROIDE E. Foods Karupale, Tam., Putranjiva Roxburghii, Wall., EUPHORBIACE.E. Foods Karur, Pb., Hedera Helix, Linn., ARALIACE E. Foods Karur, Pb., Sageretia theezans, Brongn., RHAMNER. Foods Karivelum, Tam., Acacia arabica, Willd., LEGUMINOSA. Kar vaghe, Tam., Albizzia odoratissima, Benth., LEGUMINOSE. Foods Kasári, N.-W. P., Lathyrus sativus, Linn., LEGUMINOSÆ. Foods Kaseru, Pb., Scirpus Kysoor, Roxb., CYPERACER. Foods Kaseruka, Sans., Scirpus Kysoor, Roxb., CYPERACEÆ. Foods Kash, Beng., Saccharum spontaneum, Linn., GRAMINE E. Foods Káshá, Sans., Saccharum spontaneum, Linn., GRAMINEÆ. Foods Kashgem, Lepcha, Rubus ellipticus, Smith, ROSACEE. Foods Kashini-virai, Tam., Cichorium Intybus, Linn., COMPOSITA. Foods Kashiorón, Lepcha, Castanopsis indica, A. DC., CUPULIFERA. Foods Kashiphal, Hind., Lagenaria vulgaris, Seringe, Cucurbitace E. Foods Kashmal, Hind., Berberis aristata, DC., and B. Lycium, Royle. BERBERIDEÆ. Foods Kashmal, Pb., Berberis vulgaris, Linn., BERBERIDER. Foods Kashti, Ravi, Pinus Gerardiana, Wall., CONIFERE. Foods Kashu kutti, Tam., Acacia Catechu, Willd., LEGUMINOS.E. Foods Kashumba, Tam., Carthamus tinctorius, Linn., Composita. Foods

Kasi (white variety), Naga Hills, Coix lachryma, Linn., GRAMINE E.

Kasir, Hind., Pb., Cornus macrophylla, Wall., CORNACER.

Kaskel, Pb., Indigofera Dosua, Ham., LEGUMINOSA. Foods Kaskúsri, Salt Range, Grewia villosa, Willd., TILIACER. Foods Kasmal, Pb., Berberis aristata, DC., and B. Lycium, Royle, BERBERIDEE. Foods Kasni, Hind., Pers., Pb., Cichorium Intybus, Linn., Composita. Foods Kaspat, Pb., Dioscorea deltoides, Wall., DIOSCOREACEA. Foods Kaspat, Pb., Fagopyrum esculentum, Manch., Polygonace E. Foods Kasrekan, Nep., Ficus Roxburghii, Wall., URTICACE E. Foods Kasru, Nep., Quercus semicarpifolia, Smith, CUPULIFERE. Foods Kassaibija, Bom., Coix lachryma, Linn., GRAMINEÆ. Foods Kassar, N.-W. P., Lathyrus sativus, Linn., LEGUMINOS.E. Foods Kassi, Hind., Briedelia retusa, Spreng., EUPHORBIACER. Foods Kastura benda, Tam., Hibiscus Abelmoschus, Linn., MALVACER. Foods Kasturi, Hind., Bom., Hibiscus Abelmoschus, Linn., MALVACE A. Foods Kasturi bendavittulu, Tel., Hibiscus Abelmoschus, Linn., MALVACE E. Foods Kasturi, Kalla, Hind., Bom., Hibiscus Abelmoschus, Linn., MALVACEÆ. Kasur, Lepcha, Saurauja napaulensis, DC., TERNSTRUMIACER. Foods Kasurio, Hind., Scirpus Kysoor, Roxb., CYPERACE E. Foods Kat ambolam, Mal., Spondias mangifera, Pers., ANACARDIACE E. Foods Kat illupi, Tam., Bassia longifolia, Willd., SAPOTACE A. Foods Kat maá, Tam., Buchanania latifolia, Roxb., ANACARDIACEÆ. Foods Kat-mara, Tam., Spondias mangifera, Pers., ANACARDIACEÆ. Foods Katai, Hind., Solanum xanthocarpum, Schrad. & Wendl., Solanace &. Foods Katakamee, Tel., Strychnos potatorum Linn f., LOGANIACE E. Foods Kata-kelenga, Tel., Dioscorea aculeata, Roxb., DIOSCOREACE E. Kata-mita, Pb., Rumex vesicarius, Linn., POLYGONACE E. Katan, Hind., Eriodendron anfractuosum, DC., MALVACE E. Foods Katar-kanda, Pb., Astragalus multiceps, Wall., LEGUMINOSÆ. Foods Kathel, Hind., Feronia Elephantum, Correa., RUTACEE. Foods Kather, Hind., Zizyphus xylopyra, Will., RHAMNEÆ. Foods

Kateli, Hind., Solanum xanthocarpum, Schrad. & Wend! SOLANACE A. .

Katerni, Gond., Capparis horrida, Linn., CAPPARIDE Æ.

Foods

Katha, Hind., Acacia Catechu, Willd., Leguminosz. Foods

Kath-bel, Beng., Feronia Elephantum, Correa., RUTACEE.

Kathe kasturi, Tam., Hibiscus Abelmoschus, Linn., Malvaces. Foods

Kathgular, Pb., Ficus glomerata, Roxb., URTICACE.E.

Foods
Katil, Gond., Randia uliginosa, DC., RUBIACE E.

Foods

Katillipi, Tam., Bassia latifolia, Roxa., SAPOTACEA.
Foods

Katnim, Hind., Murraya Koenigii, Spr., RUTACEE.

Katonda, Pb., Viburnum cotinifolium, Don., CAPRIFOLIACE.E. Foods

Katoo-bala, Mal., Canna indica, Linn., SCITAMINE E. Foods

Katori, Sind., Feronia Elephantum, Correa., RUTACE.E. Foods

Katrain, Pb., Sageretia theezans, Brongn., RHAMNER. Foods

Kattáli, Tam., Aloe vera, Linn., Liliace.a. Foods

Kattang, Hind., Bambusa arundinacea, Rets., and other species, GRAMINEÆ. Foods

Katthah, Dec., Acacia Catechu, Willd., LEGUMINOS.E. Foods

Kattra, Ass., Bauhinia malabarica, Roxb., Leguminos.e. Foods

Kattu, Tam., Terminalia belerica, Roxb., Combretace. Foods .

Kat turanji, Tam., Albizzia stipulata, Boivin., Leguminosæ.

Foods .

Katu, Pb., Fagopyrum esculentum, Mænck., Polygonace.s. Foods

Katu-imbúl, Cingh., Bombax malabaricum, DC., MALVACE.E. Foods

Katu-katsjil, Mal., Dioscorea bulbifera, Linn., DIOSCOREACE.

Katul, Hind., Randia uliginosa, DC., RUBIACE.E.
Foods

Katur, Leocho, Mangifera sylvatica, Roxb., ANACARDIACE.E. Foods

Kau, Pb., Hind., Olea cuspidata, Royle, OLEACEÆ.
Foods

Kaula, Nep., Ilex dipyrena, Wall., ILICINEE. Foods

Kauni, N.-W. P. & Oudh, Setaria italica, Kunth., GRAMINE E. Foods

Kaur, Pb., Capparis spinosa, Linn., CAPARIDE E. Foods

Kanra, Pb., Morus serrata, Roxb., URTICACE.E. Foods

Kauri, N.-W. P. & Oudk, Cyamopsis psoralioides, DC., Leguminose. Foods

Kaurijal, Pb., Salvodora persica, Garcin., SALVADORACE E. Foods

Kaurio, Panch Mehals, Randia uliginosa, DC., RUBIACE... Foods

Kauri van, Pb., Salvodora persica, Garcin., SALVADORACEE. Foods

Kavatha, Sind, Feronia Elephantum, Correa., RUTACEA.
Foods

Kavika tree, Eng., Engenia malaccensis, Linn., MYRTACER. Foods

Kawat, Mahr., Lemonia acidissima, Linn., RUTACER.

Foods .

Kayaphala, Bom., Myrica sapida, Wall., MYRICACE Æ.

Foods .

Kayoung-wa, Magh., Melocanna bambusoides, Tærin., GRAMINE E.

Foods .

Kayur, Tam., Eleasine corucana, Garta., GRAMINEE. Foods

Kazwan, Burm., Ipomæa Batatas, Lamk., Convolvulace.s. Foods

Keá, Beng., Pandanus odoratissimus, Willd., PANDANE E.

Foods

Keá khoir, Beng., Pandanus odoratissimus, Willd., PANDANER,
Foods

Kechu, Naga, Dolichos Lablab, Linn., LEGUMINOSE, Foods

Keharsu, Pb., Quercus Ilex, Linn., Cuplifera. Foods

Keint, Pb., Pyrus Pashia, Ham., Rosace E. Foods

Kela, Hind., Bom., Musa saplentum, Linn., Scitamine E. Foods

Kelangu, Tam., Dancus Carota, Linn., Umbellifer E. Foods

Kelu, Him. name, Cedrus Deodara, Loudon, Coniferæ, Foods

Kemá, Naga, Perilla ocimoide, Linn., LABIATA.
Foods

Kempu girus, Kan., Anacardium occidentale, Linn., ANACARBIACEE. Foods

Kemuka, Bom., Sans., Costus speciosus, Sm., Scitaminer. Foods

Kenbwon, Burm., Acacia concinna, DC., Leguminosz. Foods

Kend, Beng., Diospyros melanoxylon, Rozb., EBENACEE. Foods

Kendu, Ass., Diospyros Embryopteris, Pers., EBENACEE.

Kendu, Hind., Diospyros melanoxylon, Roxb., EBENACEE. Foods

Kendu, Pb., Diospyros tomentosa, Roxb., EBENACEÆ.

Foods .

Keoli, Him. name, Cedrus Deodara, Loudon, CONIFERE.

Foods .

Kerasya, Arab., Prunus Cerasus, Linn., Rosace E.

Foods
Kerin, Pb., Capparis aphylla, Roth., CAPPARIDEÆ.

Foods
Keshini, Sans., Chrysopogon acicularis, Rets., GRAMINER.
Foods

Kesun-ni, Burm., Allium Cepa, Linn., LILIACEÆ. Foods

Kesún-phin, Burm., Allium sativum, Linn., LILIACER.
Foods

Kesur, Beng., Scirpus Kysoor, Roxb., CYPERACER. Foods

Kesuri, Beng., Scirpus Kysoor, Roxb., CYPERACE E. Foods

Ketaki, Sans., Pandanus odoratissimus, Willd., PANDANEÆ.

Foods .

Ket, Beng., Hind., Costus speciosus, Sm., Scitamine E.

Foods

Keura, Hind., Pandanus odoratissimus, Willd., PANDANE R.

Foods

Kewai, N.-W. P., Panicum sanguinale, Linn., GRAMINE E.

Foods

Kewai, N.-W. P., Panicum sanguinale, Linn., var. ciliare, Rets. sp.,
GRAMINEÆ. Foods

Khabar, Hind., Ficus virgata, Roxb., URTICACE E. Foods

Khaderi, Bom., Acacia Catechu, Willd., LEGUMINOSÆ. Foods

Khair, Hind., Acacia Catechu, Willd., LEGUMINOSÆ. Foods

Khaira, Bom., Acacia Catechu, Willd., LEGUMINOS.E. Foods

Khairwál, Hind., Bauhinia variegata, Linn., Leguminos... Foods

Khaja, Hind., Briedelia montana, Willd., EUPHORBIACE E. Foods

Khaja, Hind., Bredelia retusa, Spreng., EUPHORBIACEÆ. Foods

Khaji, Hind., Phœniz dactylifera, Linn., PALMÆ. Foods

Khaji, Hind., Phœnix sylvestris, Roxb., PALMÆ. Foods

Khajur, Hind., Phœnix dactylifera, Linn., PALME. Foods

Khajur, Hind., Phœnix sylvestris, Roxb., PALMÆ. Foods

Khajur, Jangli, Hind., Phoenix acaulis, Roxb., PALME.

Khajuri, Hind., Phœnix acaulis, Roxb., PALMÆ. Foods

Khámbúr, Afg., Basar name, Agaricus campestris, Linn., Fungi. Foods

Khamrak, Dec., Averrhoa Carambola, Linn., GERANIACEÆ. Foods

Kha-maraka, Bom., Averrhoa Carambola, Linn., GERANIACE. Foods

Khan, Sind, Saccharum spontaneum, Linn., GRAMINEÆ. Foods

Khanijira, Pb., Withania coagulans, Dun., SOLANACE E. Foods

Khanna, Pb., Ephedra Gerardiana, Wall., GNETACEÆ. Foods

Khar, Pb., Caroxylon Griffithii, Moq., CHENOPODIACE. Foods

Khar, Pb., Prosopis spicigera, Linn., LEGUMINOS.E. Foods

Kharabija, Bom., Cucumis Melo, Linn., Cucurbitace... Foods

Kharái, Pb., Celastrus senegalensis, Lam., CELASTRINE E. Foods

Kharak, Simla, Celtis australis, Linn., URTICACE E. Foods

Kharawune, Pb., Solanum verbascifolium, Linn., Solanace E. Foods

Kharbúj, N.-W. P., Curcurbita moschata, Duchesne, Cucurbitace. E. Foods

Kharbúja, Hind., Cucumis Melo, Linn., Cucurbitaceæ. Foods

Khareza, Pb., Carthamus oxyacantha, Bieb., Compositæ. Foods

Kharmo, Pb., Lonicera hypoleuca, Dne., CAPRIFOLIACE.

Kharmuch, Kashmir, Rubus lasiocarpus, Smith, ROSACE E. Foods

Kharmuj, Beng., Cucumis Melo, Linn., CUCURBITACE.E.

Foods
Kharnub-nubti, Pb., Ceratonia Siliqua, L., Leguminos.k.
Foods

Kharpat, Beng., Pb., Garuga pinnata, Roxb., Burserace. E. Foods

Khar-usara-ghas, N.-W. P., Sporobolus tenacissimus, Beauv., GRAMINE E. Foods

Kharwala, Pb., Salix alba, Linn., Salicine E. Foods

Khas-khas (the root), Beng., Hind., Andropogon muricatus, Rets., Graminer. Foods

Khash-khash-ka-post, Dec., Papaver somniferum, Linn., Papavrace E. Foods

Khatái, Pb., Flacourtia Sepiaria, Pb., BIXINEÆ. Foods

Khatta-mitha, Pb., Oxalis corniculata, Linn., GERANIACEE. Foods

Khau, Sind, Olea cuspidata, Royle, OLEACE.E. Foods

Khawe, Mulgedium tartaricum, DC., COMPOSITÆ.

Foods .

Khawi, Pb., Andropogon laniger, Desf., Gramine A.

Foods .

Khaya, Burm., Mimusops Elengi, Linn., SAPOTACER.

Khayer, Beng., Acacia Catechu, Willd., LEGUMINOS.E. Foods

Khejjur-rus, Beng., Phoenix sylvestris, Roxb., PALME.
Foods

Khejoor, Beng., Phœnix sylvestris, Roxb., PALMÆ. Foods

Khelsa, Gond., Grewia tiliæfolia, Vahl., TILIACEÆ. Foods

Khenti, Pb., Indigofera Dosua, Ham., LEGUMINOS.E. Foods

Khesari, Beng., Lathyrus sativus, Linn., Leguminos.e.
Foods

Khetimal, Pb., Rumex hastatus, Don., Polygonace. Foods

Khetiya, Hind., Brassica campestris, Linn., var. Napus, sub var. toria, CRUCIFERE. Foods

Khewnau, Hind., Ficus Cunia, Buch., URTICACE E. Foods

Khijra, Rajputana, Prosopis spicigera, Linn., LEGUMINOSÆ. Foods

Khip, Delhi, Orthanthera viminea, Wight, ASCLEPIADEE.

Khir, Hind., Mimusops hexandra, Roxb., SAPOTACE E.

Khira, Bom., Hind., Cucumis sativus, Linn., Cucurbitace E. Foods

Khirdab, Arab., Brassica nigra, Koch., CRUCIFERA.

Foods .

Khirni, Hind., Mimusops hexandra, Roxb., SAPOTACE.E.
Foods

Khoda Millet, Eng., Paspalum scrobiculatum, Linn., GRAMINER. Foods .

Khoira, Ass., Acacia Catechu, Willd., Leguminosæ. Foods .

Khoriru, Uriya, Acacia Catechu, Willd., Leguminosæ. Foods

Khoskadu-mar, Ass., Ficus hispida, Linn. f., URTICACE &. Foods

Khubani, Hind., Prunus armeniaca, Linn., ROSACE R.

Foods . Khulen, Pb., Ulmus integrifolia, Roxb., URTICACE E.

Foods .

Khulti, N.-W. P. & Oudh, Cyamopsis psoralioides, DC., Leguminos A.

Foods

Rhum, Pb., Lonicera quinquelocularis, Hardwicke, CAPRIFOLIACE.E. Foods

Khumb (plains), Pb., Morchella semilibera, L., Fungi.

Foods

Khumbah, Bom., Afg., Basar name, Agaricus campestris, Linn., Fungi.
Foods

Khumbi, Hind., Careya arborea, Roxb., MYRTACE.K.

Khurbuj, Hind., Cucumis Melo, Linn., CUCURBITACE A. Foods .

Khurhur, Hind., Ficus Cunia, Buch., URTICACE ...

Foods .

Khuri, Beng., Saccharum fuscum, Roxb., GRAMINE E.

Foods .

Khurti, N.-W. P. & Oudh, Cyamopsis psoralioides, DC., LEGUMINOSE.

Foods . Khus-khus, Eng., Andropogon muricatus, Rets., GRAMINEÆ, Foods .

Khwan, Trans-Indus, Olea cuspidata, Royle, OLEACER.

Khyar, Pers., Cucumis sativus, Linn., CUCURBITACE.E. Foods

Kiakra, Gond., Odina Wodier, Roxb., ANACARDIACE.E. Foods

Kiamil, Hind., Odina Wodier, Rozb., ANACARDIACE.E. Foods

Kiamoni, Nep., Eugenia obovata, Wall., MYRTACE E. Foods

Kiár, Pb., Cassia Fistula, Linn., LEGUMINOSÆ. Foods

Kiari, Pb., Capparis spinosa, Linn., CAPPARIDER.

Kiditsai, Chinese, Brassica nigra, Koch., CRUCIFERE.

Kidney, Eng., Phaseolus vulgaris, Linn., LEGUMINOS.E.

Foods
Kiery, South India, Amarantus frumentaceus, Buch., AMARANTACEÆ.
Foods

Kikar, Hind., Beng., Dec., Acacia arabica, Willd., Leguminosz. Foods

Kikar, Pb., Acacia Jacquemontii, Benth., LEGUMINOS.E. Foods

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Kiker safed, Hind., Acacia leucophlma, Willd., Leguminos E.
    Foods
Kílar, Him. name, Cedrus Deodara, Loudon, Contrera.
Killo-debdhaor, Beng., Sorghum bicolos, Willd., GRAMINE ...
    Foods
Kilmara, Kumaun, Berberis asiatica, Roxb., BERBERIDER.
    Foods
Kilmich, Kashmir, Viburnum foetens, Decaisne, CAPRIFOLIACE M.
    Foods
Kilmira, Pb., Garuga pinnata, Roxb., Burserace A.
    Foods
Kilonj, N.-W. P., Quercus dilatata, Lindl., CUPULIFERA.
    Foods
Kilpattar, Pb., Acer cultratum, Wall., syn. of Acer pictum, Thunb.,
    SAPINDACE ... Foods
Kilu, Kumaun, Acer pictum, Thunb., SAPINDACEE.
    Foods
Kilut, Hind., Saccharum fuscum, Roxb., GRAMINE A.
    Foods
Kimbu, Nep., Morus cuspidata, Wall., URTICACER.
    Foods
Kimbu, Nep., Morus indica, Linn., URTICACE A.
    Foods
Kimpa-lin, Burm., Antidesma diandrum, Tulasn., Euphorbiace. R.
    Foods
Kimri, Pb., Ficus Carica, Linn., URTICACE.A.
    Foods
Kimu, Hind., Morus serrata, Roxb., URTICACE A.
    Foods
Kimul, Hind., Odina Wodier, Roxb., ANACARDIACEA.
Kindyba, Arab., Cichorium Intybus, Linn., Composita.
    Foods
Kingaro, Pb., Flacourtia sepiaria, Roxb., BIXINER.
    Foods
Kinnee, Pb., Diospyros tomentosa, Roxb., EBENACER.
    Foods
Kin-pa-lin, Burm., Antidesma Menasu, Müll.-Arg., Euphorbiace.E.
    Foods
Kinsuka, Sans., Butea frondosa, Roxb., LEGUMINOSÆ.
    Foods
Kip, Sind, Orthanthera viminea, Wight, ASCLEPIADE E.
    Foods
Kiramber, Tam., Caryophyllus aromaticus, Linn., MYRTACEA.
    Foods
Kiran, Sind, Securinega Leucopyrus, Müll.,-Arg., Euphorbiacez.
    Foods
Kirara, Pb., Momordica dioica, Rezb., Cucurbitacez.
    Foods
Kirkiria, Hind., Cinnamomum Tamala, Nees., LAURINE.E.
    Foods
Kirmira, Bom., Glycosmis pentaphylla, Correa., RUTACE E.
    Foods
Kirneli, Mysore, Phyllanthus distichus, Müll.-Arg., EUPHORBIACEE.
    Foods
Kirra, Pb., Capparis aphylla, Roth., CAPPARIDE E.
    Foods
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Kirui, Beng., Oxystelma esculentum, Br., ASCLEPIADE E.

Kismis, Beng., Vitis vinifera, Linn., AMPELIDEÆ.

Foods

Kissi, Nep., Berberis asitica, Rozb., BERBERIDEÆ.
Foods
.
Kitchli, Tam., Citrus Aurantium, Linn., RUTACEÆ.
Foods

Kithi, Pb., Dioscorea deltoides, Wall., DIOSCOREACE E.

Foods

Kitoli, N.-W. P., Cassia Fistula, Linn., Leguminos. Foods

Kittali, Tel., Citrus Aurantium, Linn., RUTACEE.

Foods Kitwali, N.-W. P., Cassia Fistula, Linn., Leguminos.e.

Foods .

Kniss, Pb., Dioscorea deltoides, Wall., DIOSCOREACER.

Foods .

Ko, Pb., Olea cuspidata, Royle, OLEACE E. Foods .

Kobh, Robi, Eng., Brassica (oleracea), caulo-rapa, Linn., CRUCIFERÆ. Foods

Kobusi, Nep., Myrica sapida, Wall., MYRICACEÆ. Foods .

Kochi, Hind., Acacia concinna, DC., LEGUMINOS.E.

Koda, Hind., Ehretia lævis, Rozb., Boragine z.

Koda, Him. name, Eleusine corocana, Gartn., GRAMINEÆ. Foods

Koda, N.-W. P. & Oudh, Beng., Paspalum scrobiculatum, Linn., Gramine E. Foods

Koda-ka-choul, Hind., Paspalum scrobiculatum, Linn., GRAMINE E. Foods

Kodarsi, Mar., Securinega obovata, Mall., Euphorbiace R. Foods

Kodi mun-dirrippa-zham, Tam., Vitis vinifera, Linn., Ampelidez. Foods .

Kodoga-pala, Tel., Holarrhena antidysenterica, Wall., APOCYNACEÆ. Foods

Kodon, N.-W. P. & Oudh, Pb., Pospalum scrobiculatum, Linn., GRAMINEÆ. Foods .

Kodra, Pb., Paspalum scrobiculatum, Linn., GRAMINE E. Foods

Kodram, N.-W. P. & Oudh, Paspalum scrobiculatum, Linn., GRAMINE E. Foods .

Kodruva, Sans., Paspalum scrobiculatum, Linn., GRAMINEÆ. Foods .

Kodu, Beng., Lagenaria vulgaris, Seringe., CUCURBITACE E. Foods .

Kodu, Hind., Paspalum scrobiculatum, Linn., var. Fluitans, Duthie, Gramine E. Foods

Kohen, Pb., Edwardsia Hydaspica, Edge., Leguminosæ. Foods .

Kohlrapsant, Ger., Brassica campestris, Linn., var. Napus, CRUCIFERE. Foods

Kohú, Pb., Olea cuspidata, Royle, OLEACEÆ. Foods

Kohumba, Gus., Melia Azadirachta, Linn., MELIACE E.

Foods .

Koi, Hind., Nymphæa Lotus, Linn., Nymphæaceæ.

Foods

Koir, Ass., Acacia Catechu, Willd., Leguminos.e. Foods

Koki, Tam., Cassia Fistula, Linn., LEGUMINOS.E. Foods

Koko-aru, Beng., Olax scandens, Roxb., OLACINER. Foods

Kokoh, Burm., Albizzia Lebbek, Benth., Leguminos.E. Foods

Koku, Hind., Pb., Tam., Salvadora oleoides, Linn., SALVADORACEE. Foods

Kokum, Bom., Garcinia indica, Choisy., GUTTIFERE. Foods

Kokwa, Beng., Dendrocalamus Hamiltonii, Nees. & Arn., GRAMINE.R.,

Koli, Kan., Baccaurea sapida, Müll.-Arg., EUPHORBIACEE.
Foods

Koliár, Hind., Bauhinia variegata, Linn., Leguminos. E. Foods

Kollu, Tam., Dolichos biflorus, Linn., LEGUMINOS.E.

Foods .

Kolt, Pb., Dolichos biflorus, Linn., LEGUMINOS.E.
Foods

Komári, Dec., Aloe vera, Linn., Liliace E. Foods

Konda-cahinda, Tel., Toddalia aculeata, Pers., RUTACEÆ.

Kondai, Hind., Flacourtia sepiaria, Roxb., BIXINE E. Foods

Konda-pulla, South India, Chloris barbata, Swarts., GRAMINEÆ. Foods

Kone, Tam., Cassia Fistula, Linn., LEGUMINOSA.
Foods

Konea doombur, Ficus hispida, Linn. f., URTICACE E. Foods

Kongki, Lepcha, Prunus Puddum, Roxb., ROSACEÆ. Foods

Kongnyin-nway, Burm., Entada scandens, Bth., Leguminos.E. Foods

Kooli-begoon, Beng., Solanum melongena, Linn., SOLANACE E. Foods

Kooltee, Eng., Dolichos biflorus, Linn., LEGUMINOS.E. Foods

Koolutha, Sans., Dolichos biflorus, Linn., LEGUMINOS.E. Foods

Koosa, Eng., Andropogon muricatus, Rets., GRAMINER.
Foods

Koosumbia, Eng., Schleichera trijuga, Willd., SAPINDACE.E.

Kootta chirchitta, N.-W. P., Setaria verticillata, Beauv., GRAMINEÆ. Foods

Kopar, Hind., Dendrocalamus strictus, Nees., GRAMINER. Foods

Kora-kand (the plant), Dec., Aloe vera, Linn., LILIACE E.

Korakanda, Sind, Aloe vera, Linn., LILIACEE. Foods

Korake, Pb., Atriplex hortensis, L., and A. laciniata, L., Chenopodiace & Foods

Kora-phad, Sind, Aloe vera, Linn., LILIACEE. Foods

Koray, Tam., Cyperus rotundus, Linn., CYPERACEÆ. Foods

Korchi, Gond., Securinega obovata, Müll., EUPHORBIACE E. Foods

Kore-ke-jhár, Dec., Cyperus rotundus, Linn., CYPERACEÆ. Foods

Korna-nebu, Beng., Citrus medica, Linn., RUTACEAL

Foods

Koroh, Oudh, Shorea robusta, Gartu., DIPTEROCARPE.E. Foods

Korudoosha, Sans., Paspalum scrobiculatum, Linn., Gramine.e.

Kosa, Hind., Saccharum spontaneum, Linn., GRAMINER. Foods .

Kosi, Uriya, Briedelia retusa, Spreng., EUPHORBIACEE. Foods

Kosum, Hind., Schleichera trijuga, Willd., SAPINDACE E.

Foods

Kosúndra, Pb., Bauhinia racemosa, Lam., Leguminos.e.

Foods
Kotaku, Uriya, Strychnos potatorum, Linn. f., LOGANIACEE,

Foods . Kotamalli, Tam., Coriandrum sativum, Linn., Umbellifer ... Foods ...

Kotanpan, Mal., Triticum sativum, Lam., GRAMINER.
Foods .

Kottai, Tam., Anacardium occidentale, Linn., ANACARDIACEÆ.
Foods

Kottai pakka, Tam., Areca Catechu, Linni, PALMÆ.

Foods .

Kotúr, Nop., Castanopsis tribuloides, A. DC., CUPULIFERÆ,
Foods .

Kovariya, Bom., Cassia Tora, Linn., Leguminos &. Foods

Kowal, Lepcha, Juglans regia, Linn., Juglande E.

Foods .

Kraunti, Pb., Lonicera quinquelocularis, Hardwicke, CAPRIFOLIACER.
Foods

Kreu, Pb., Quercus semicarpifolia, Smith, Cupulifera. Foods

Krish, Abrus precatorius, Linn., Leguminos.e. Foods

Krishna-tamarah, Tel., Canna indica, Linn., Scitamine E. Foods

Krumbal, Pb., Ficus glomerata, Roxb., URTICACE E.

Foods
Krunda, Sind, Tribulus alatus, Delile., Zygophylle.

Kuchni, Pb., Rhamnus persicus, Boiss., RHAMNER.

Foods .
Kudaka, Bom., Cedrela Toona, Rozb., MELIACER.
Foods

Kudhá, Naga Hills, Coix lachryma, Linn., GRAMINEÆ.
Foods

Kudira-pullu, Mal., Chrysopogon acicularis, Rets., GRAMINER. Foods

Kudoly, Kan., Cicer arietinum, Linn., LEGUMINOS.E. Foods

Kudsumbal Lal, Hind., Canavalia ensiformis, DC., LEGUMINOS.E. Foods

Kudsumbal, Suffed, Hind., Canavalia ensiformis, DC., Leguminosz., Foods

Kúkadi, Bom., Cucumis Melo, Linn., var. utilissimus. (sp. Roxb.)., Cucurbitace E. Foods

Kúkai, Pb., Flacourtia Ramontchi, L'Herit., BIXINE E.

Kukai, Pb., Rhamnus persicus, Boiss., RHAMNEÆ. Foods

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Kuka-pal-kura, Tel., Trianthema crystallina, Vahl., Ficoide R.
    Foods
Kukar, C. P., Garuga pinnata, Roxb., Burserace A.
    Foods
Kuki, Kan., Baccaurea sapida, Mill.-Arg., Euphorbiace R.
    Foods
Kukni, N.-W. P. & Oudh, Setaria italica, Kunth., GRAMINEA.
    Foods
Kukoa, Pb., Flacourtia Ramontchi, L'Herit., BIXINER.
    Foods
Kukri, Hind,, Zea Mays, Linn., GRAMINE A.
    Foods
Kukuluya, Hind., Ribes glaciale, Wall., SAXIFRAGACE A.
    Foods
Kúkúrkat, Hind., Hymenodictyon excelsum, Wall., RUBIACE.E.
    Foods
Kúl, Hind., Beng., Zizyphus Jujuba, Lam., RHAMNER.
    Foods
Kula-aja, Beng., Ehretia acuminata, Br., BORAGINE A.
    Foods
Kulai batana, N.-W. P., Pisum arvense, Linn., LEGUMINOSÆ.
    Foods
Kulara, Kashmir, Viburnum foetens, Decaisne, CAPRIFOLIACE A.
    Foods
Kúlat, Pb., Dolichos biflorus, Linn., Leguminosæ.
    Foods
Kulitba gaglip, Sind, Dolichos biflorus, Linn., LEGUMINOS.
    Foods
Kulith, Deccan, Dolichos biflorus, Linn., LEGUMINOSA.
    Foods
Kuljud, Hind., Avena fatua, Linn., GRAMINE A.
    Foods
Kulla, Sans., Amorphophalius campanulatus, Blume., Aroide E.
    Foods
Kullooa (pale var.), Beng., Saccharum officinarum, Linn., GRAMINE E.
Kullvalei-mani, Tam., Canna indica, Linn., Scitamine.
    Foods
Kult, Pb., Dolichos biflorus, Linn., LEGUMINOSA.
    Foods
Kulthi gahat, Hind., Dolichos biflorus, Linn., LEGUMINOSÆ.
    Foods
Kúlú, Hind., Sterculia urens, Roxb., STERCULIACEA.
Kumári, Hind. Aloe vera, Linn., LILIACEÆ.
    Foods
Kumari, Hind., Aloe vera, Linn., var. officinalis, sp. Forsk., LILIACE E.
Kumbal, Bom., Gnetum scandens, Roxb., GNETACER.
    Foods
Kúmbh samarogh (Stewart), Agaricus campestris, Linn., Fungi.
Kumbi, Hind., Careya arborea, Rozb., MYRTACER.
    Foods
Kumbi, Pb., Cordia vestita, H. f. & T., BORAGINER.
    Foods
Kúmbúk, Cingh., Terminalia tomentosa, W. & A., Combretace R.
    Foods
Kumbuli, Tam., Benincasa cerifera, Savi, Cucurbitace A.
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Kumbyung, Lepcha, Antidesma Menasu, Müll.-Arg., Euphorbiace E.

Foods

Kumrá, Beng., Benincasa cerifera, Savi, Cucurbitace.

Foods

Kumra, N.-W. P., Cucurbita moschata, Duchesne, Cucurbitace. E. Foods

Kumra, Beng., Hind., Cucurbita Pepo, DC., CUCURBITACE.E. Foods

Kúmara konda, Beng., Hind., Cucurbita Pepo, DC., Cucurbitace.z. Foods

Kumuda, Sans., Nymphæa Lotus, Linn., NYMPHÆACEÆ.

Foods .

Kun, Pb., Edwardsia Hydaspica, Edge., Leguminosæ. Foods .

Kunachi, Pb., Rubus ellipticus, Smith, ROSACE E.

Foods

Kunch, Beng., Abrus precatorius, Linn., LEGUMINOSÆ. Foods .

Kunch, Beng., Coix lachryma, Linn., GRAMINE E. Foods

Kunda, Sans., Amorphophallus campanulatus, Blume., Aroide R. Foods .

Kundanuga, Tel., Lagenaria vulgaris, Seringe., CUCURBITACE.E. Foods .

Kundar, Pb., Typha angustifolia, Linn., TYPHACE E.

Kundayee, Hind., Dec., Flacourtia Ramontchi, L'Herit., BIXINEÆ. Foods

Kundoung, Lepcha, Ficus Roxburghii, Wall., URTICACE E. Foods .

Kundru, Pb., Cephalandra indica, Nand., CUCURBITACE E. Foods

Kungu, Sans., Setaria italica, Kunth., GRAMINE E. Foods .

Kuni, N.-W. P., Panicum helopus, Trin., var. hirsutum, sp. Koen., Graminez. Foods

Kunia, Kumaun, Ficus Cunia, Buch., URTICACEÆ.
Foods

Kúnj, Hind., Ulmus integrifolia, Rozb., URTICACEÆ.
Foods

Kúnsh, Pb., Alnus nitada, Endl., CUPULIFERÆ.

Foods
Kunsung, Lepcha, Grewia vestita, Wall., TILIACER.
Foods

Kuntan, Hind., Eriodendron anfractuosum, DC., MALVACER.
Foods

Kurál, Hind., Bauhinia, variegata, Linn., LEGUMINOSÆ. Foods .

Kurankusha, Beng., Hind., Andropogon laniger, Desf., GRAMINE.E. Foods

Kurasani-vaman, Tel., Hyoscyamus niger, Linn., SOLANACE E. Foods

Kurashani-yoman, Tam., Hyoscyamus niger, Linn., SOLANACEÆ. Foods .

Kuri, Pb., Hedera Helix, Linn., ARALIACE ...

Foods . Kuri, N-W. P., Panicum milliaceum, Linn., GRAMINEÆ.

Foods . Kurkan, Pb., Pennisetum cenchroides, Rich., GRAMINEÆ.

Kurku, Tam., Ficus infectoria, Wall., URTICACE.E.

Foods
Kurkni, Pb., Marlea begoniæfolia, Roxb., CORNACER.
Foods

Kurkuna, Hind., Ehretia acuminata, Br., BORAGINEÆ.
Foods

Kurpa, Bom., Memecylon edule, Roxb., MELASTROMACE.E. Foods

Kurpodur, Tel., Olax scandens, Roxb.; OLACINER.
Foods

Kursah, Pers., Apium graveolens, Linn., UMBELLIFERE. Foods

Kurse, Gond., Gmelina arborea, Roxb., VERBENACEÆ. Foods .

Kursi, Seoni, Wendlandia exserta, DC., RUBIACEE.
Foods

Kurtam ussul, Arab., Gossypium herbaceum, Linn., MALVACE E. Foods

Kurti-kalai, Beng., Dolichos biflorus Linn., Leguminos... Foods

Kurtoli, Bom., Momordica dioica, Roxb., Cucurbitace E. Foods .

Knru, N.-W. P., Panicum helopus, Trin., var. hirsutum, sp. Koen., Graminez. Foods

Kuru, Kashmir, Villarsia nymphoides, Vent., GENTIANACEÆ.
Foods

Kur-undu, Cingh., Cinnamomum zeylanicum, Breyn., LAURINE R. Foods

Kus, Hind., Saccharum spontaneum, Linn., GRAMINEÆ. Foods

Kusa, Pb., Eragrostis cynosuroides, Rets., GRAMINE E. Foods

Kusa, N.-W. P., Pennisetum cenchroides, Rich., GRAMINEÆ. Foods

Kush, Pb., Prunus armeniaca, Linn, ROSACE E.

Kusha, Beng., Sans., Eragrostis cynosuroides, Rets., GRAMINER.

Kushiar, Beng., Saccharum officinarum, Linn., GRAMINEÆ.
Foods

Kushmanda, Sans., Benincasa, cerifera, Savi, Cucurbitace.

Kushu, Ladak, Pyrus Malus, Linn., ROSACEÆ. Foods

Kusi, Hind., Briedelia, montana, Willd., EUPHORBIACE.E. Foods

Kusinb, Bom., Schleichera trijuga, Willd., SAPINDACEÆ. Foods .

Kust, Beng., Hind., Costus speciosus, Sm., Scitamine A. Foods .

Kusum, Beng., Hind., Dec., Carthamus tinctorius, Linn., CDMPOSITÆ. Foods

Kutha, Sans., Eragrostis cynosuroides, Rets, GRAMINEE.

Kútilál, Pb., Daphne mucronata, Royle, THYMELÆACEÆ. Foods .

Kutki, Hind., Panicum miliare, Lamb., GRAMINEÆ. Foods .

Kutki, N.-W. P., Panicum psilopodium, Trin., GRAMINEÆ. Foods

Kútla, Hind., Citrus medica, Linn., RUTACE E.

Foods • Kutonj, Kumaun, Castanopsis tribuloides, A. DC., CUPULIFERE. Foods .

Kuttalay, Tam., Aloe vera, Linn., var. officinalis, sp., Forsk., LILIACEE. Foods

Kuwára, N.-W. P. & Oudh, Cyamopsis psoralioides, DC., LEGUMINOSE, Foods

Kwam-thee-beng, Burm., Areca Catechu, Linn., PALMÆ.

Foods . Kwaytanyeng, Burm., Pithecolobium dulce, Benth., Leguminos. Foods .

Kwyun, Burm., Areca Catechu, Linn., PALMÆ.

Kyaka-twa, Burm., Bambusa arundinacea, Rets., and other species, Gramine E. Foods .

Kyansa, Burm., Castanopsis tribuloides, A. DC., CUPULIFERE. Foods

Kyetmonk, Burm., Nephelium Longana, Camb., SAPINDACE.K. Foods

Kyetsu, Burm., Ricinus communis, Linn., EUPHORBIACE.E. Foods

Ky-et-thwon-ni, Burm., Allium Cepa, Linn., LILIACEE.

Kyet-thwonpen, Burm., Allium sativum, Linn., LILIACE E. Foods

Kyon, Beng., Diospyros Melanoxylon, Rozb., EBENACE.E. Foods

Kyou, Beng., Diospyros tomentosa, Roxb., EBENACEÆ. Foods .

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Laburnum, Indian, Eng., Cassia Fistula, Linn., Leguminos. Foods .

Lac Tree, Eng., Schleichera trijuga, Willd., SAPINDACEE. Foods .

Ladákhi badam, Almora, Prunus communis, Huds., var., Domestica, Rosace E. Foods

Laghme, Pb., Caroxylon Griffithii, Moq., Chenopodiace.E.

Laghúne, Afg., Daphne mucronata, Royle, THYMELEACEE. Foods

Lahan, Rajputana, Toddalia aculeata, Pers., RUTACE A. Foods

Lahi, Hind., Brassica nigra, Koch., CRUCIFERÆ. Foods

Lahi-sarson, Hind., Brassica juncea, H. f. & T. T., CRUCIFERE.

Lahokung, Lepcha, Butea frondosa, Roxb., LEGUMINOS.E. Foods

Lahra, Hind, Pennisetum typhoideum, Rich., GRAMINER. Foods

Lahsta, Hind., Brassica campestris, Linn., var. campestris proper, CRUCIFERE. Foods .

Lahura, Pb., Tecoma undulata, G. Don., BIGNONIACEÆ. Foods .

Laila, N.-W. P. & Oudh, Salix tetrasperma, Roxb., SALICINEE. Foods

Lailoo, Burm., Olax scandens, Roxb., OLACINE E. Foods

Laita, Hind., Brassica campestris, Linn., var. campestris proper, CRUCIFERE. Foods .

Lakhtei, Pb., Cousinia minutu, Boiss., Compositæ.

Lakshmi-am, Sylhet, Mangifera sylvatica, Roxb., ANACARDIACE E. Foods

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Lakucha, Sans., Artocarpus Lakoocha, Rosb., Unricaces.
    Foods
Lala ambadí, Sind, Hibiscus Sabdariffa, Linn., MALVACER.
    Foods
Lal-ambarl, Dec., Hind., Hibiscus Sabdariffa, Linn., MALVACEM.
    Foods
Lal-aloo, Beng., Ipomæa Batatas, Lamk., Convolvulace A.
    Foods
Lal-garas, Nep., Rhododendron arboreum, Sm., ERICACE.E.
    Foods
Lal-kainjal, Nep., Excascaria baccata, Mall., Euphorbiace ...
    Foods
Lal koi-pura, Sylhet, Sapindus attenuatus, Wall., Sapindace A.
    Foods
Lal-sabani, Hind., Trianthema monogyna, Linn., Ficoide M.
    Foods
Lal-titmaliya, Kumaun, Viburnum stellulatum, Wall., CAPRIFOLIACEA.
    Foods
Lamboben, Burm., Buchanania latifolia, Roxb., ANACARDIACE ...
    Foods
Lamkana, Rajbutana, Briedelia retusa, Spreng., Euphorbiace A.
    Foods
Lamote, Burm., Mangifera fœtida, Lour., ANACARDIACE E.
    Foods
Lampourd, Fr., Xanthium strumarium, Linn., Compositm.
    Foods
Lana Pb., Ballota limbata, Benth., LABIATE.
    Foods
Lanang, Kanawar, Vitis vinifera, Linn., AMPELIDER.
    Foods
Lanchar, Trans-Indus, Orthanthera viminea, Wight, ABCLEPIADEA.
    Foods
Landachúta, Bom., Mussænda frondosa, Linn, Rubiace A.
    Foods
Lang bang, Ladak, Physochlaina præalta, Hook. f., Solanace M.
    Foods
Lang shur, Him. name, Juniperus Communis, Linn., CONIFERAL
    Foods
Langura, Bhutia, Corylus Colurna, Linn., CUPULIFERA.
    Foods
Langura, Bhutia, Corylus Ferox, Wall, CUPULIFERE.
    Foods
Lanka, Beng., Hind., Cucurbita Pepo, DC., CUCURBITACEA.
    Foods
Lap, N.-W. P., Heteropogon contortus, R. & S., GRAMINER.
    Foods
Laphra, Pb., Salvia Moorcroftiana, Wall., LABIATA.
    Foods
Lapta, Pb., Cenchrus echinatus, Linn., GRAMINER.
Lasan, Hind., Allium sativum, Linn., LILIACEA.
    Foods
Lasora, Hind., Cordia Myxa, Linn., BORAGINE E.
    Foods
Lasrin, Pb., Albizzia odoratissima, Benth., LEGUMINOSAL
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Foods

Foods

Foods

Foods

Lasuna, Sans., Allium sativum, Linn., LILIACEA.

Laswara, Pb., Cordia Myxa, Linn., Boragine E.

Latechu, Ass., Baccaurea sapida, Müll.-Arg, Euphorbiace.

Late-mahwa, Nep., Aglaia edulis, A. Gray., MELIACEE. Foods

Latri, N.-W. P., Lathyrus sativus, Linn., LEGUMINOS.E.

Foods . Lattia-san, Hind., Hibiscus cannabinus, Linn., MALVACEÆ. Foods

Lau, Beng., Lagenaria vulgaris, Seringe., CUCURBITACE.E. Foods

Lauki, Hind., Lagenaria vulgaris, Seringe., CUCURBITACE.

Lauki, Pb., Lagenaria vulgaris, Seringe., CUCURBITACE.E. Foods .

Laur, Pb., Acer cultratum, Wall., syn. of Acer pictum, Thumb., SAPINDACEÆ. Foods

Lavanga, Beng., Caryophyllus aromaticus, Linn., MYRTACEÆ. Foods

Lavangalu, Tel., Caryophyllus aromaticus, Linn., MYRTACEÆ. Foods

Lawilu, Cingh., Chrysophyllum Roxburghii, G. Don., SAPOTACEA. Foods .

Lea, Pb., Cenchrus echinatus, Linn., GRAMINEÆ. Foods

Lee, Lepcha, Pyrus Pashia, Ham., ROSACEE. Foods

Lemon, Eng., Citrus medica, Linn., RUTACEÆ. Foods

Lentil, Eng., Ervum Lens, Linn., LEGUMINOS.E.

Foods .

Lepcha-phal, Darjeeling, Phoebe attenuata, Nees., LAURINEE.

Foods .

Lesuri, Sind, Cordia Myxa, Linn., BORAGINE E.

Foods : Leswa, Pb., Digera arvensis, Forsk., AMARANTACEÆ. Foods .

Letfan, Burm., Bombax malabaricum, DC., MALVACEÆ. Foods

Letkop, Burm., Sterculia fœtida, Linn., STERCULIACEÆ. Foods

Lettuce, Eng., Lactuca scariola, Linn., Compositæ. Foods

Lhijo, Pb. Him. name, Pyrus baccata, Linn., ROSACER. Foods

Liane á reglisse, Fr., Abrus precatorius, Linn., LEGUMINOS.E. Foods

Liar, Sind, Cordia Rothii, Rom. & Sch., BORAGINEÆ. Foods

Lichi, Beng., Hind., Nephelium Litchi, Camb., SAPINDACE. Foods .

Lignea Cassia, Eng., Cinnamomum Tamala, Nees., LAURINEÆ. Foods

Lilac, Persian, Eng., Melia Azedarach, Linn., MELIACEE. Foods .

Likh-arm, Nep., Prunus Padus, Linn., ROSACEÆ.
Foods

Likung, Lepcha, Docynia indica, Done., ROSACEE.
Foods

Limblee oil Tree, Eng., Murraya Koenigii, Spr., RUTACER. Foods

Limbu, Hind., Citrus medica, Linn., RUTACER.
Foods

Lime, Eng., Citrus medica, Linn., RUTACE E. Foods

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Limu, Hind., Citrus medica, Linn., RUTACEÆ.
    Foods
Limu, Arab., Pers., Citrus medica, Linn., RUTACEA.
    Foods
Límtoa, Beng., Antidesma Ghæsembilla, Gærtn., EUPHORBIACE E.
    Poods
Lin, Pb. Himalayas, Pyrus baccata, Linn., ROSACEÆ.
    Foods
Linhe, Burm., Acorus Calamus, Linn., AROIDEÆ.
    Foods
Linhlun, Burm., Excæcaria baccata, Müll., Euphorbiace A.
    Foods
Liquorice Root, Indian or Wild, Eng., Abrus precatorius, Linn.,
    LEGUMINOSÆ. Foods
Litchi, Eng., Nephelium Litchi, Camb., SAPINDACE E.
Liwar, Pb. Himalayas, Pyrus baccata, Linn., ROSACE E.
    Foods
Loari, Beng., Andropogon Bladhii, Rets., GRAMINE E.
    Foods
Lobia, Hind., Dolichos Lablab, Linn., LEGUMINOSÆ.
    Foods
Lobia, N.-W. P. & Oudh, Vigna Catiang, Endl., LEGUMINOSE.
    Foods
Locust Tree, Eng., Ceratonia siliqua, L., LEGUMINOS A.
Loda, Beng., Phyllanthus distichus, Müll.-Arg., EUPHORBIACE A.
    Foods
Lohar-bhadi, Beng., Odina Wodier, Roxb., ANACARDIACEA.
Lohuri, Sind, Tecoma undulata, G. Don., BIGNONIACER.
    Foods
Lolti, Pb., Syringa Emodi, Wall., OLEACE E.
    Foods
Lonepho, Burm., Buchanania latifolia, Roxb., ANACARDIACE A.
    Foods
Long, Hind., Caryophyllus aromaticus, Linn., MYRTACE E.
    Foods
Longan, Eng., Nephelium Litchi, Camb., SAPINDACE E.
    Foods
Longarbi-thiras, Mar., Vitex leucoxylon, Linn., VERBENACEÆ.
    Foods
Loolengkyau, Burm., Cinnamomum zeylanicum, Breyn., LAURINER.
Looleng-kyaw, Burm., Cinnamomum obtusifolium, Nees., LAURINE E.
    Foods
Loonia, Beng., Hind., Portulaca oleracea, Linn., PORTULACE E.
    Foods
Loquat, Eng., Eriobotrya japonica, Lindl., ROSACEÆ.
Loquat, Beng., Hind., Eriobotrya japonica, Lindl., ROSACE E.
    Foods
Lotak, Pb., Tribulus alatus, Delile, ZYGOPHYLLE R.
    Foods
Lotus, Eng., Nymphæa alba, Linn., NYMPHÆACEÆ.
    Foods
Lotus of the Nile, White, Nymphæa Lotus, Linn., NYMPHEACEE.
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Lovage, Eng., Carum copticum, Benth., UMBELLIFERÆ.

Love-Apple, Eng., Lycopersicum esculentum, Miller, Solanace R.

Foods

Foods

Lowi, Dec., Artocarpus Lakoocha, Rozb., URTICACEE.

Lubar, Pb., Phytolacca acinosa, Roxb., VERMENACE.

Foods
Lucerne, Eng., Medicago falcata, Linn., LEGUMINOS.E.

Foods . Lúdúma, Bhutia, Decaisnea insignis, Hook. f. & Th., BERBERIDEE.

Foods
Ludut, Pb., Codonopsis ovata, Benth., Campanulacen.

Foods .

Luir, Him. name, Juniperus excelsa, M. Bieb., CONIFERE.

Lukh, Pb., Typha angustifolia, Linn., Typhacem.

Luki, Tel., Vitex leucoxylon, Linn., VERBENACEE. Foods

Lunak, Pb., Chenopodium album, L., CHENOPODIACEE.

Foods
Lunak-haksha, Pb., Portulaca quadrifida, Linn., Portulace A.
Foods

Lungar, Pb., Pteris equilina, Linn, GRAMINE E. Foods .

Lust, N.-W. P., Taxus baccata, Linn., Conferm. Foods

Lutco, Hind., Baccaurea sapida, Müll.-Arg., EUPHORBIACE. Foods

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Maá, Burm., Buchanania latifolia, Roxb., ANACARDIACE E. Foods

Máa, Tam., Mangifera indica, Linn., ANACARDIACE.E., Foods

Mas-senda, Cingh., Musscenda frondosa, Linn., RUBIACE E. Foods

Mabura, of the ancients, Ægle Marmelos, Correa., RUTACEE. Foods

Mace, Eng., Myristica moschata, Willd., Myristice R. Foods

Mada, Tel., Avicennia officinalis, Linn., VERBENACEE. Foods

Mad-alaich-chedi, Tam., Punica Granatum, Linn., LYTHRACE E. Foods .

Madana, Pb., Eleusine ægyptiaca, Pers., GRAMINEÆ.

Madat, Mar., Terminalia tomentosa, W. & A., COMBRETACE E. Foods

Madder, European, Eng., Rubia tinctorum, Linn., RUBIACE E. Foods

Maddi, Tel., Terminalia tomentosa, W. & A., COMBRETACE.E., Foods

Madhuka, Sans., Bassia latifolia, Roxb., SAPOTACE.E. Foods

Madu-karray, Tam., Randia dumetorum, Lam., RUBIACE E.

Mag, Bom., Phaseolus Mungo, Linn., var. radiatus, Linn., LEGUMINOS.E. Foods

Magadam, Tam., Mimusops Elengi, Line., SAPOTACEA.
Foods

Magar bans, Hind., Bambusa arundinacea, Rets., and other species, Gramine E. Foods

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Magyee, Burm., Tamarindus indica, Linn., LEGUMINOSE.
     Foods
Mah, Sind, Phaseolus Mungo, Linn., var. radiatus, Linn., LEGUMINOS.E.
     Foods
Mahalay-kani, Burm., Bauhinia purpurea, Linz., LEGUMINOS.E.
    Foods
Maha-limbo, Melia Azedarach, Linn., MELIACE E.
Mahalunga, Bom., Citrus medica, Linn., RUTACE E.
    Foods
Mahá nibu,
                 Citrus decumana, Willd., RUTACE A.
    Foods
Mahanimba, Sans., Melia Azedarach, Liun., MELIACEA.
    Foods
Mahaul, Pb., Pyrus kumaoni, Dcne., Rosace Æ.
     Foods
Mahaushadha, Sans., Allium sativum, Linn., LILIACE A.
    Foods
Mahogany Tree, Indian, Eng., Cedrela Toona, Roxb., MELIACE.E.
    Foods
Mahúa, Hind., Bom., Bassia latifolia, Roxb., SAPOTACEÆ.
    Foods
Mahula, Beng., Bassia latifolia, Roxb., SAPOTACEÆ.
    Foods
Mahur, Hind., Orthanthera viminea, Wight, ASCLEPIADE E.
    Foods
Mahura, Guj., Bassia latifolia, Roxb., SAPOTACE A.
    Foods
Mahwa, Hind., Beng., Bassia latifolia, Roxb., SAPOTACER.
    Foods
Mahwa Tree, Eng., Bassia latifolia, Rozb., SAPOTACE E.
    Foods
Maidal, Nep., Randia dumetorum, Lam., Rubiace E.
    Foods
Maidal, Nep., Randia uliginosa, DC., RUBIACE E.
Maila, Pb., Pyrus lanata, Don., Rosace E.
    Foods
Maimuna, Afg., Sageretia Brandrethiana, Aitch., RHAMNER.
Maina, Pb., Medicago denticulata, Willd., LEGUMINOS E.
    Foods
Mainphal, Hind., Randia dumetorum, Lam., RUBIACEÆ.
    Foods
Maize, Eng., Zea Mays, Linn., GRAMINE E.
    Foods
Makai, Hind., Zea Mays, Linn., GRAMINEÆ.
    Foods
Makai, Hind., Zizyphus Œnoplia, Mill., RHAMNEÆ.
    Foods
Makanim, Tel., Melia Azedarach, Linn., MELIACEÆ.
    Foods
Makhai, Oudh., Zea Mays, Linn., GRAMINEÆ.
Makha-jowari, Dec., Zea Mays, Linn., GRAMINE E.
    Foods
Makhal, Beng., Citrullus Colocynthis, Schrad., Cucurbitace. R.
    Foods
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Makhana, Beng., Hind., Euryale erox, Salisb., NYMPHEACEE.

Makhan-sim, Hind., Beng., Dolichos Lablab, Linn., LEGUMINOS.E.

Foods

Foods

Foods

Malu, Hind., Baubinia Vahlii, W. & A., LEGUMINOS.E.

Maluk, Pb., Diospyros Lotus, Linn., EBENACEÆ.

Makka, Hind., Zea Mays, Linn., GRAMINER. Foods Makka, Tam., Tel., Deccan, Zea Mays, Linn., GRAMINER. Foods Makkajona, Tel., Zea Mays, Linn., GRAMINEA. Foods Makkal, Pb., Populus balsamifera, Linn., SALICINEÆ. Foods Makki, Tam., Garcinia Morella, Desr., GUTTIFERÆ. Foods Makkuna, Hind., Bauhinia racemosa, Lam., Leguminos. E. Foods Mako, Pb., Solanum nigrum, SOLANACEÆ. Foods Makra, N. India, Eleusine ægyptiaca, Pers., GRAMINEÆ. Makra, N.-W. P. & Oudh, Eleusine corocana, Gartn., GRAMINE E. Foods Makra-jali, Beng., Hind., Eleusine ægyptiaca, Pers., GRAMINEÆ. Foods Makri, N. India, Eleusine ægyptiaca, Pers., GRAMINEÆ. Foods Makur-jali, N.-W. P., Panicum sanguinale, Linn., var. ciliare, Rets., sp., GRAMINEÆ. Foods Makur-kendi, Beng., Hind., Diospyros Embryopteris, Pers., EBENACE. Foods Mala, Beng., Bryonia laciniosa, Linn., CUCURBITACE E. Foods Malaing, Burm., Morus lœvigata, Wall., URTICACEE. Foods Malai veppam, Tam., Melia Azedarach, Linn., Meliace E. Foods Malaka beng, Burm., Psidium Guyava, Raddi., MYRTACE E. Malan, Pb., Edwardsia Hydaspica, Edge., Leguminosæ. Malatrinukung, Sans., Andropogon Scheenanthus, Linn., GRAMINE E. Foods Malay-kaya-pendalam, Tel., Dioscorea bulbifera, Linn., DIOSCOREACE A. Foods Malchang, Pb., Salix alba, Linn., SALICINE E. Foods Malé-geru, Kurg., Dillenia pentagyna, Roxb., DILLENIACE.R. Foods Malghan, Hind., Bauhinia Vahlii, W. & A., LEGUMINOSÆ. Foods Maljan, Hind., Bauhinia Vahlii, W. & A., LEGUMINOSÆ. Mál kangoni, Bom., Celastras senegalensis, Lam., CELASTRINER. Foods Malla, C. P., Melia Azedarach, Linn., MELIACEÆ. Foods Malla, N.-W. P., Zizyphus nummularia, W. & A., RHAMNEÆ. Foods Mallai vembu, Tam., Melia Azedarach, Linn., Meliace R. Foods Mallow, Marsh, Eng., Althona officinalis, L., MALVACE E.

Mamadi, Tel., Mangifera indica, Linn., ANACARDIACEÆ.

Mamid, Tel., Mangifera indica, Linn., ANACARDIACE E.

Foods

Manakká, Beng., Vitis vinifera, Linn., AMPELIDEÆ.

Foods

Manchi-núne noovooloo, Tel., Sesamum indicum, Linn., PEDALINEE.

Manda, Tel., Randia dumetorum, Lam., RUBIACE.E.

Foods

Mandal, Pb., Eleusine corocana, Gartn., GRAMINEÆ Foods

Mandal, Pb., Rhododendron arboreum, Sm., ERICACE.E.

Mandar, Pb., Acer pictum, Thunb., SAPINDACE E.

Foods .

Mandgay, Bm., Bambusa arundinacea, Rets., and other species, GRAMINE E.

Foods .

Mandira, Kumaun & Garhwal, Panicum frumentaceum, Roxb., GRAMINE E. Foods .

Mandkolla, Pb., Randia dumetorum, Lam., RUBIACE E.

Mandri, Pb., Ribes nigrum, Linn., SAXIFRAGACE E.

Foods

Mandua, N.-W. P. & Oudh, Eleusine corocana, Gartn., GRAMINEA.

Foods

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Mangas, Tam., Mangifera indica, Linn., ANACARDIACE E.

Foods .

Mangil, Tam., Bambusa arundinacea, Rets., and other species, GRAMINE E.
Foods .

Mango, Eng., Mangifera indica, Linn., ANACARDIACE E. Foods

Mangosteen, Eng., Garcinia Mangostana, Linn., GUTTIFERÆ. Foods

Mangrove Tree, Eng., Rhizophora mucronata, Lamk., RHIZOPHORE E. Fcods .

Mangrove, White, Eng., Avicennia officinalis, Linn., VERBENACEÆ. Foods .

Mangrur, Pb., Panicum antidotale, Rets., GRAMINEÆ.
Foods

Manjal, Tam., Curcuma longa, Roxb., Scitamine E. Foods .

Manjal-mutlangi, Tam., Daucus Carota, Linn., Umbellifer R.

Foods .

Man-kochoo, Beng., Colocasia indica, Schott., AROIDEÆ.
Foods

Manna Grass, Eng., Glyceria fluitans, R. Br., GRAMINE A.

Foods . Manna Plant, Hebrew, Eng., Alhagi maurorum, Desv., LEGUMINOS.E. Foods .

Mánskhel, Kashmir, Agaricus campestris, Linn., Fungi. Foods .

Manyúl, Hind., Randia dumetorum, Lam., RUBIACEÆ.

Foods .

Maoo, Burm., Anthocephalus Cadamba, Miq., RUBIACE E.

Foods

Maookadoom, Burm., Anthocephalus Cadamba, Miq., Rubiace...

Foods

Marachini, Mal., Manihot utilissima, Pohl., Euphorbiace A.

Maraghúne, Pb., Solanum coagulans, Fors., SOLANACEÆ. Foods .

Maral, Pb., Ulmus campestris, Linn., URTICACE.A.

Foods

Maram, Tam., Eriodendron anfractuosum, DC., MALVACEE.

Foods

Marari, Pb., Ulmus Wallichiana, Planch., URTICACE E. Foods

Maravuli, Tam., Manihot utilissima, Pohl., EUPHORBIACE.E. Foods

Marazh, Pb., Ulmus campestris, Linn., URTICACE E. Foods

Mardakusch, Arab., Origanum Marjorana, Linn., LABIATE....

Mared, Hind., Ulmus Wallichiana, Planch., URTICACEE. Foods

Maredu, Tel., Ægle Marmelos, Correa., RUTACEÆ. Foods

Mar-ghalawa, Pb., Viburnum cotinifolium, Don., CAPRIFOLIACEE. Foods .

Marghi-pal, Pb., Solanum gracilipes, Done., SOLANACE E. Foods

Margosa Tree, Eng., Melia Azadirachta, Linn., MELIACE E. Foods

Mári, Tel., Ficus bengalensis, Linn., URTICACEÆ. Foods

Marich, Lal gách, Beng., Capsicum frutescens, Linn., Solanace E. Foods

Marigold, Eng., Calendula officinalis, Linn., Compositz. Foods .

Marjoram, Sweet, Eng., Origanum Marjorana, Linn., LABIATE. Foods

Marjoram, Winter, Eng., Origanum heracleoticum, LABIATA.

Mark, Pb., Briedelia retusa, Spreng., EUPHORBIACE E. Foods

Marking-nut Tree, Eng., Semecarpus Anacardium, Linn., Anacardiace A. Foods

Marlea, Sylhet, Marlea begoniæfolia, Roxb., CORNACEÆ. Foods

Marliza, Sylhet, Marlea begoniæfolia, Roxb., CORNACEÆ. Foods

Marlumulta, Tam., Xanthium strumarium, Linn., Composita. Foods .

Marria, Gond., endlandia Wexserta, DC., Rubiacez. Foods

Marsi, N.-W. P. & Oudh, Paspalum scrobiculatum, Linn., GRAMINEÆ. Foods

Maru, Pb., Quercus dilatata, Lindl., CUPULIFERE. Foods

Marua, Beng., Eleusine corocana, Gærtn, GRAMINEÆ. Foods

Marua, N.-W. P. & Oudh, Eleusine corocana, Gærtn., GRAMINEÆ. Foods

Mash, Hind., Sind, Phaselus Mungo, Linn., var. radiatus, Linn., LEGUMINOSÆ. Foods

Masha, Sans., Phaseolus Mungo, Linn., var. radiatus, Linn., Leguminosæ. Foods

Mash-kolai, Beng., Phaseolus Mungo, Linn., var. radiatus. Linn., LEGUMINOS.E. Foods

Maspati, Nep., Abrus precatorius, Linn., LEGUMINOSÆ. Foods

Mastiara, Pb., Scutellaria linearis, Benth., LABIATE. Foods

Masur, Hind., Raj., Deccan, Ervum Lens, Linn., Leguminos E. Foods

Masúr bauri, Gond., Antidesma diandrum, Tulasne., EUPHORBIACEE. Foods

Masuri, Beng., Ervum Lens, Linn., LEGUMINOS.E.

Matar, Jangli, Beng., Lathyrus Aphaca, Linn., LEGUMINOS E. Foods

Matar, Sind, Lathyrus sativus, Linn., LEGUMINOS.E.

Foods . Matar, Sind, Pisum sativum, Linn., LEGUMINOSA.

Foods

Mate, Nep., Berberis asiatica, Ronb., Berberider.

Foods . Mát-kalai, Beng., Arachis hypogæa, Linn., Leguminosæ.

Foods .

Matazor, Pb., Phytolacca acinosa, Roxb., Verbenace z.

Foods .

Math, Deccan, Phaseolus aconitifolius, Facq., Leguminosæ. Foods

Mathá-tél, Hind., Sesamum indicum, Linn., PEDALINEÆ. Foods

Matra, Oudh, Pisum sativum, Linn., LEGUMINOS.E.

Mattar, N.-W. P., Pisum sativum, Linn., Leguminos.E. Foods

Mattar, Chota, Hind., Beng., Pisum arvense, Linn., LEGUMINOSÆ. Foods .

Mattar, Desi, Beng., Hind., Pisum arvense, Linn., LEGUMINOSÆ. Foods .

Mattar, Gol, N.-W. P., Pisum sativum, Linn., LEGUMINOSÆ Foods .

Matti, Pb., Equisetum debile, Roxb., Equisetace E. Foods .

Matti, Beas, Orthanthera viminea, Wight, ASCLEPIADEE. Foods .

Matto-batsala, Tel., Basella alba, L., CHENOPODIACEÆ.

Mattu, Pb., Indigofera Dosua, Ham., LEGUMINOSÆ.

Foods

Matura, of the ancients, Ægle Marmelos, Correa, RUTACEE.

Foods

Maul, Beng., Bassia latifolia, Roxb., SAPOTACE.E. Foods .

Mauli, Hind., Pyrus lanata, Don., ROSACE E. Foods

Maulser, Hind., Mimusops Elengi, Linn., SAPOTACEÆ. Foods

Maurain, Hind., Bauhinia Vahlii, W. & A., Leguminos.e. Foods

Mauri, Bng., Fæniculum vulgare, Gærtn., Umbelliferæ.
Foods

May, Tel., Schleichera trijuga, Willd., SAPINDACEÆ. Foods

Mayan, Burm., Bouea burmanica, Griff., ANACARDIACE E.

Foods

Maylull, Nep., Pyrus vestita, Wall., ROSACEÆ.

Foods

Medick, Black, Eng., Medicago lupulina, Linn., LEGUMINOSÆ, Foods

Medick, Purple, Eng., Medicago falcata, Linn., LEGUMINOSÆ. Foods .

Foods

Mediar, Japan, Eng., Eriobotrya japonica, Lindl., ROSACEE. Foods Meeta Aloo, Hind., Ipomœa Batatas, Lamk., Convolvulaces. Foods Mehal, Hind., Pyrus Pashia, Ham., ROSACEE. Foods Meho, Sind, Citrullus vulgaris, Schrad., var. fistulosus, Cucurbitace E. Foods Mehul, Nep., Docynia indica, Done., ROSACE E. Foods Meinkara, Nep., Toddalia aculeata, Pers., RUTACEÆ. Foods Mekrap, Lepcha, Morus indica, Linn., URTICACE E. Foods Me-kuri, Naga, Lagenaria vulgaris, Seringe., Cucurbitace E. Foods Melon, Sweet, Eng., Cucumis melo, Linn., CUCURBITACER. Foods Melon, White, Eng., Benincasa cerifera, Savi., CUCUBITACE A. Foods Men, Kan., Trigonella Fænum-græcum, Liun., LEGUMINOSÆ. Foods Menasu, Kan., Piper nigrum, Linn., PIPERACE A. Foods Mengkop, Burm., Garcinia Mangostana, Linn., GUTTIFERÆ. Foods Mensina kayi, Kan., Capsicum frutescens, Linn., Solanace E. Foods Mentulu, Tel., Trigonelja Fænum-græcum, Linn., LEGUMINOS R. Foods Mentyá, Kan., Trigonella Fœnum-grœcum, Linn., LEGUMINOSÆ. Mepyoung, Burm., Maba buxifolia, Pers., EBENACEÆ. Foods Merian, Burm., Bouea burmanica, Griff., ANACARDIACE E. Merino, Pb., Potentilla fruticosa, Linn., ROSACEÆ. Foods Mesquit, Eng., Prosopis glandulosa, Torr., LEGUMINOSÆ. Foods Mesta, Beng., Hibiscus Sabdariffa, Linn., MALVACER. Foods Mesta pát, Beng., Hibiscus cannabinus, Linn., MALVACE E. Foods Methi, Hind., Beng., Trigonella Fænum-græcum, Linn., LEGUMINOSÆ. Foods Méthi, Mahr., Gus., Trigonella Fænum-græcum, Linn., LEGUMINOS.R. Foods Metunga, Beng., Melocanna banbusoides, Tærin., GRAMINEÆ. Foods Mhaniben, Burm., Randia uliginosa, DC., RUBIACEÆ. Foods Mhowa, C. P., Bassia latifolia, Roxb., SAPOTACEÆ. Mibe, Burm., Arachis hypogæa, Linn., LEGUMINOSÆ. Foods Michapgong, Lepcha, Premna latifolia, Roxb., VERBENACEÆ. Foods Mijhanla, Kumaun, Elæagnus latifolia, Linn., ELÆAGNUS.

Mijhri, N.-W. P., Panicum psilopodium, Trin., GRAMINER.

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Milagu, Tam., Piper nigram, Linn., PIPERACE E.
    \mathbf{Foods}
Milkaranai, Tam., Toddalia aculeata, Pers., RUTACEÆ.
    Foods
Millet, Eng., Eleusine corocana, Gartn., GRAMINE R.
    Foods
Millet, German or Italian, Eng., Setaria italica, Kunth., GRAMINE E.
    Foods
Millet, Indian, Eng., Panicum miliaceum, Linn., GRAMINEÆ.
    Foods
Millet, Indian or Great, Eng., Sorghum vulgare, Pers., GRAMINE E.
    Foods
Millet, Little, Eng., Panicum frumentaceum, Roxb., GRAMINE E.
    Food
Millet, Spiked, Eng., Pennisetum typhoideum, Rich., GRAMINE E.
    Foods
Mimu-mulee, Tel., Phaseolus Mungo, Linn., var. radiatus, Linn.,
    LEGUMINOSÆ. Foods
Minbo, Burm., Caryota urens, Willd., PALMÆ.
    Foods
Mindla, Pb., Randia dumetorum, Lam., RUBIACEÆ.
    Foods
Miniyar, Pb., Andropogon petusus, Willd., GRAMINE E.
    Foods
Mint, Eng., Mentha Viridis, Linn., LABIATÆ.
    Foods
Mint Marsh, Eng., Mentha arvensis, Linn., LABIATE.
    Foods
Mipitmuk, Lepcha, Flemingia congesta, Roxb., LEGUMINOSÆ.
    Foods
Minumulu, Tel., Phaseolus aconitifolius, Jacq., LEGUMINOSA.
    Foods
Mirchia-gard, Siwaliks, Andropogon Scheenanthus, Linn., GRAMINE E.
    Foods
Mirich, Dhan, Hind., Capsicum minimum, Roxb., SOLANACE E.
    Foods
Mirich, Lal gách, Hind., Capsicum frutescens, Linn., SOLANACE E.
    Foods
Miriyalu, Tel., Piper nigrum, Linn., PIPERACE E.
    Foods
Merri, Chenab, Pinus Gerardiana, Wall., CONIFERÆ.
    Foods
Mirzanjosh, Pb., Origanum normale, Don., LABIATÆ.
    Foods
Mishmush, Eng., Prunus armeniaca, Linn., ROSACEA.
    Foods
Misri, Pb., Eulophia campestris, Lindl., ORCHIDER.
    Foods
Misur-pappu, Tel., Ervum Lens, Linn., LEGUMINOSÆ.
    Foods
Misurpurpur, Tam., Ervum Lens, Linn., LEGUMINOSÆ.
    Foods
Mizunjoosh, Arab., Origanum Marjorana, Linn., LABIATÆ.
    Foods
Modhuriam, Ass., Psidium Guyava, Raddi., MYRTACEE.
    Foods
Modugu, Tel., Butea frondosa, Roxb., LEGUMINOS.E.
    Foods
Mohakri, Pb., Trichosanthes cucumerina, Linn., Cucurbitace.R.
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Foods

Mohi, Uriya, Garuga pinnata, Roxb., Burserace E.

Mohin, Hind., Odina Wodier, Rosb., ANACARDIACEE. Foods Moho, Mar., Bassia latifolia, Roxb., SAPOTACER. Foods Mok, Burm., Aloe vera, Linn., LILIACEE. Foods Moksha, Chamba, Agaricus campestris, Linn., Fungi. Foods Mokushtha, Sans., Phaseolus aconitifolius, Jacq., LEGUMINOS.E. Mol, Hind., Pyrus Pashia, Ham., Rosace E. Foods Momakha, Burm., Salix tetrasperma, Roxb., SALICINEÆ. Mooluka, Sans., Raphanus sativus, Linn., CRUCIFERÆ. Foods Moon of the Faithful, Eng., Prunus armeniaca, Linn., ROSACEE. Foods Morell, Eng., Morchella semilibera, L., Fungi. Foods Morich, Dhan, Beng., Capsicum minimum, Roxb., SOLANACE E. Foods Morich, Lal lonka, Beng., Capsicum frutescens, Linn., SOLANACEÆ. Foods Morich, Kafri, Beng., Hind., Capsicum grossum, Willd., Solanace A. Foods Morinda Bark Tree, Eng., Morinda citrifolia, Linn., Rubiace. E. Morli, Tel., Buchanania latifolia, Roxb., ANACARDIACEÆ. Foods Morphal, Pb., Pyrus lanata, Don., Rosace A. Foods Morre, Cingh., Nephelium Longana, Camb., SAPINDACEE. Foods Moru, N.-W. P., Quercus dilatata, Lindl., CUPULIFERE. Foods Morung, Beng., Amomum aromaticum, Roxb., SCITAMINER. Foods Morunga, Tam., Moringa pterygosperma, Gærtn., Moringe A. Foods Mosonea, Uriya, Ehretia lævis, Roxb., BORAGINEÆ. Foods Mostarda, Por., Brassica nigra, Koch., CRUCIFERE. Foods Moth, Hind., Raj., Phaseolus aconitifolius, Yacq., LEGUMINOS. Foods Mothi, Hind., Phaseolus aconitifolius, Jacq., LEGUMINOSÆ. Foods Mothi-kabbal, Pb., Panicum sanguinale, Linn., GRAMINEÆ. Foods Motku, Tel., Ougeinia dalbergioides, Benth., LEGUMINOS.E. Foods Motsj, Japan, Oryza sativa, Linn., GRAMINEÆ. Foods Mou-alu, Beng., Hind., Dioscorea aculeata, Roxb., DIOSCOREACE &. Foods Moutarde Noire, Fr., Brassica nigra, Koch., CRUCIFERÆ. Foods Mová, Bom., Bassia latifolia, Roxb., SAPOTACEA. Foods

Mowa, Hind., Bassia latifolia, Roxb., SAPOTACE E.

Mowa, Trans-Indus, Orthanthera viminea, Wight, ASCLEPIADE E. Foods Mowen, Hind., Odina Wodier, Roxb., ANACARDIACE A. Foods Moya, Bom., Odina Wodier, Roxb., ANACARDIACE A. Foods Moydi, Tel., Ficus glomerata, Roxb., URTICACE E. Mu, Cingh., Bassia longifolia, Willd., SAPOTACER. Foods Mudga, Sans., Phaseolus Mungo, Linn., LEGUMINOSE. Foods Mudu-kaiyeya, Cingh., Pandanus odoratissimus, Willd., PANDANE A. Foods Mug, Beng., Phaseolus Mungo, Linn., LEGUMINOSÆ. Mugalik, Tel., Pandanus odoratissimus, Willd., PANDANE E. Foods Mugani, Beng., Phaseolus trilobus, Ait., LEGUMINOSÆ. Foods Mugnrela, Beng., Nigella sativa, Linn., RANUNCULACE E. Foods Mugra, Hind., Caudatus, var. of Raphanus sativus, Linn., CRUCIFERE. Foods Mula, Beng., Raphanus sativus, Linn., CRUCIFERE. Mul ahcotá, Kan., Nephelium Longana, Camb., SAPINDACE E. Foods Mulampandu, Tel., Cucumis Melo, Linn., CUCURBITACE E. Foods Mulangi, Kan., Raphanus sativus, Linn., CRUCIFERE. Food Mulberry, Indian, Eng., Marinda citrifolia, Linn., Rubiace E. Foods Mulberry, White, Eng., Morus alba, Linn., URTICACEÆ. Foods Muli, Beng., Melocanna bambusoides, Tærin., GRAMINEÆ. Foods Muli, Hind., Raphanus sativus, Linn., CRUCIFERÆ. Foods Mulkas, Tel., Bambusa arundinacea, Rets., and other species, GRAMINER. Foods Mulsári, Hind., Mimusops Elengi, Linn., SAPOTACER. Muluvelari, Tam., Cucumis sativus, Linn., Cucurbitace E. Foods Muluvengay, Tam., Briedelia retusa, Spreng., EUPHORBIACEÆ. Foods Munchá kunda, Tel., Amorphophallus campanulatus, Blume., AROIDEÆ. Foods Mundiri, Tam., Anacardium occidentale, Linn., ANACARDIACE.A. Foods Mung, Hind., Phaseolus Mungo, Linn., LEGUMINOSÆ. Foods Mungphali, Hind., Arachis hypogæa, Linn., LEGUMINOSÆ. Foods

Munj, Hind., Saccharum Sara, Roxb., GRAMINE E.

Munji, Hind., Pollinia eriopoda, Hance., GRAMINE A.

Munja-pavattary, Tam., Morinda citrifolia, Linn., Rublace R.

Foods

Foods

Munnay, Tam., Premna integrifolia, Linn., VERBENACE E.

Muradh, Pb., Ribes nigrum, Linn., SAXIFRAGACE E. Foods

Murgtu, Lepcha, Turpinia pomifera, DC., SAPINDACE R. Foods

Murroo, Tam., Origanum Marjorana, Linn., LABIATÆ. Foods

Murwa, Dec., Sind, Origanum Marjorana, Linn., LABIATE.

Musel, N.-W. P., Heteropogon contortus, R. & S., GRAMINE E. Foods

Mushakdana, Beng., Hibiscus Abelmoschus, Linn., MALVACER. Foods

Mushambáram, Tel., Aloe vera, Linn., LILIACE A. Foods

Mushk-bhendi-bing, Dec., Hibiscus Abelmoschus, Linn, MALVACE E.

Mushk-dana, Pers., Hibiscus Abelmoschus, Linn., MALVACEE. Foods

Mushroom, Eng., Agaricus campestris, Linn., Fungi. Foods

Musk Mallow, Eng., Hibiscus Abelmoschus, Linn., MALVACE E.

Foods Musk Melon, Eng., Cucurbita moschata, Duchesne, Cucurbitace A. Foods

Musré katús, Nep., Castanopsis tribuloides, A. DC., CUPULIFERÆ. Foods

Mustá, Bom., Sans., Cyperus rotundus, Linn., CYPERACE E. Foods

Mustard, Black, Eng., Brassica nigra, Koch., CRUCIFERA. Foods

Mustard, Indian, Eng., Brassica juncea, H. f., & T. T., CRUCIFERAL. **Foods** 

Mustard, True, Eng., Brassica nigra, Koch., CRUCIFERÆ. Foods

Mustard, White, Eng., Brassica alba, H. f., & T. T., CRUCIFERE. Foods

Mustert, Ger., Brassica nigra, Koch., CRUCIFERÆ. Foods

Muthá, Beng., Cyperus rotundus, Linn., CYPERACE A. Foods

Mutta, Beng., Antidesma diandrum, Tulasne, Euphorbiace. E. Foods

Muttugu, Kan., Butea frondosa, Roxb., LEGUMINOSA. Foods

Mu-yan, Burm., Hordeum vulgare, Linn., GRAMINE.R. Foods

Muyna, Beng., Vangueria spinosa, Rozb., RUBIACE E. Foods.

Myínwa, Burm., Dendrocalamus strictus, Nees., GRAMINE A. Foods

Myooma, Bhutia, Arundinaria racemosa, Munro, GRAMINE E. Foods Myouklouk, Burm., Artocarpus Lakoocha, Roxb., URTICACER.

Foods Myoukseit, Burm., Ulmus integrifolia, Roxb., URTICACER.

Foods

Myrobalans, Eng., Terminalia belerica, Roxb., COMBRETACE E. Foods

## N

Nabar, Pb., Ribes nigrum, Linn., SAXIFRAGACE E.

Foods
Nabatussibr, Arab., Aloe vera, Linn., var. officinalis, sp. Forsk., Liliace A.
Foods

Wachni, Sind. Eleusine corocana, Gærtn., GRAMINEÆ.
Foods

Naga, Tam., Eugenia Jambolana, Lam., MYRTACE.E. Foods

Nangal, Tam., Mesua ferrea, Linn., GUTTIFERÆ.

Foods . Nagavela, Bom., Piper Betle, Linn., PIPERACE E.

Foods .
Nagbo, Pers., Mentha viridis, Linn., LABIATÆ.

Foods .
Nagesar, Hind., Beng., Mesua ferrea, Linn., GUTTIFERA.
Foods .

Naghas, Hind., Beng., Mesua ferrea, Linn., GUTTIFERE.

Nagli, Bom., Eleusine corocana, Gartn., GRAMINER. Foods

Nahar, Ass., Mesua ferrea, Linn., GUTTIFERÆ.

Foods

Foods . Nai-kadughu, Tam., Gynandropsis pentaphylla, DC., CAPPARIDEÆ.

Nairuri, Tel., Eugenia Jambolana, Lam., MYRTACE E.

Foods
Nairuri, Tel., Sizygium jambolanum, DC., MYRTACE E.
Foods

Nai-shakar, Pers., Saccharum officinarum, Linn., GRAMINEÆ. Foods

Nai-vaila, Tam., Gynandropsis pentaphylla, DC., CAPPARIDE E. Foods

Nak, Pb. Hills, Pyrus communis, Linn., ROSACEÆ. Foods

Nak-doun, Hind., Pers., Asparagus officinalis, Willd., LILIACE.E. Foods

Nakhtar, Afg., Cedrus Deodara, Loudon, Conifera. Foods

Nakhtar, Afg., Pinus longifolia, Roxb., Coniferæ. Foods

Nakhud, Pers., Cicer arietinum, Linn., LEGUMINOSÆ. Foods

Nala, Sans., Abrus precatorius, Linn., Leguminos... Foods .

Nalaika, Tel., Randia uliginosa, DC., RUBIACE E. Foods

Nal bans, Hind., Bambusa arundinacea, Rets., and other species, Gramines. Foods

Nali-putiki, Tel., Aristida depressa, Rets., GRAMINEZ. Foods

Nalki, Beng., Hibiscus cannabinus, Linn., MALVACE E. Foods

Nalla-mada, Tel., Avicennia officinalis, Linn., VERBENACEÆ. Foods

Nal lenney, Tam., Sesamum indicum, Linn., PEDALINE E. Foods

Nalshuna, Nep., Ehretia acuminata, Br., BORAGINEÆ. Foods

Nama, Tel., Aponogeton monostachyum, Linn., NAIADACE.E., Foods

Nambyong, Lepcha, Morus cuspidata, Wall., URTICACE.E. Foods

Namii, Tel., Ulmus integrifolia, Roxb., URTICACRE.

Nandi, Tel., Cedrela Toona, Roxb., MELIACEE.

Foods .

Nandru, Pb., Physochlaina præalta, Hook. f., SOLANACE ...
Foods

Nangli, Sind, Eleusine corocana, Gartn., GRAMINER. Foods

Nanjunda, Tam., Balanites Roxburghii, Planch., SIMARUBE.E.
Foods .

Nan nan, Burm., Coriandrum sativum, Linn., Umbellifere. Foods

Nanna-si, Burm., Ananussa sativa, Linn., BROMELIACE.E. Foods

Nanu-witi, Sylhet, Gnetum scandens, Rozb., GNETACE.E. Foods

Narangi, Hind., Citrus Aurantium, Linn., RUTACEE.

Narí, Pb., Equisetum debile, Roxb., Equisetace. Foods .

Nari, Pb., Ipomæa aquatica, Forsk., Convolvulace E. Foods

Nariel, Hind., Cocos nucifera, Linn., PALME.

Foods
Narikadam, Tel., Cocos nucifera, Linn., PALMA.
Foods

Narikel, Beng., Cocos nucifera, Linn., PALMÆ.
Foods

Naringi, Hind., Citrus Aurantium, Linn., RUTACE.E. Foods

Narkel, Jhoona, Beng., Cocos nucifera, Linn., PALMÆ. Foods .

Narr, Pb. & Sind, Malva parviflora, Linn., MALVACEE. Foods

Narra, Garhwal, Ehretia acuminata, Br., BORAGINEÆ.
Foods

Narvilli, Tam., Cordia Rothii, Rom. & Sch., BORAGINE E. Foods

Naryepi, Tel., Hardwickia binata, Roxb. Leguminos.a. Foods

Nasedu, Tel., Eugenia Jambolana, Lam., MYRTACE R. Foods

Nasodu, Tel., Sizygium jambolanum, DC., MYRTACEÆ.
Foods

Naspate, Pb. hills, Pyrus communis, Linn., ROSACE E. Foods

Naspati, Pb., Pyrus communis, Linn., Rosace A., Foods

Natchnee, Eng., Eleusine corocana, Gærtn, GRAMINEÆ. Foods

Natvadum, Tam., Terminalia Catappa, Linn., COMBRETACE A. Foods

Naug, Hind., Cornus macrophylla, Wall., CORNACE E. Foods

Naval, Tam., Eugenia Jambolana, Lam., MYRTACE E. Foods

Navane, Kan., Setaria italica, Kunth., GRAMINEÆ. Foods

Navattee, Eng., Fr., Brassica campestris, Linn., var. campestris proper, CRUCIFERE. Foods

Naya, Tam., Sizygium jambolanum, DC., MYRTACE E. Foods

Na-yuwai, Burm., Flacourtia Ramontchi, L'Herit., BIXINE E.

Foods . Necla-vayalie, Tel., Vernonia anthelmintica, Willd., Compositz.

Neem Tree, Eng., Melia Azadirachta, Linn., MELIACE.E. Foods

Neer-aruga, Tel., Paspalum scrobiculatum, Linn., var. fluitans, Duthie, Graminez. Foods .

Neernoochie, Tam., Vernonia anthelmintica, Willd., Compositæ.

Foods
Nehar, Kumaun, Skimmia Laureola, Hook., RUTACER.
Foods

Nehce-maka, Mal., Bryonia laciniosa, Linn., Cucurbitace R.

Foods
Nela-jedi, Tel., Semecarpus Anacardium, Linn., ANACARDIACER.
Foods

Nela-madi, Tel., Maba buxifolia, Pers., EBENACEÆ. Foods

Nella-madu, Tel., Terminalia tomentosa, W. & A., COMBRETACEÆ. Foods

Nella-shama, Panicum Miliare, Lamb., GRAMINE E.

Foods
Nella-shamaloo (the grain), Panicum miliare, Lamb., GRAMINEÆ.
Foods

Nella tuma, Tel., Acacia arabica, Willd., Leguminos.E. Foods

Nellekai, Tam., Phyllanthus Emblica, Linn., Euphorbiace E. Foods

Nelli, Tam., Kan., Phylianthus Emblica, Linn., Euphorbiace A.

Nelmal, Hind., Strychnos potatorum, Linn. f., LOGANIACE E. Foods

Neosa Pine, Eng., Pinus Gerardiana, Wall., CONIFERE. Foods

Ner, Pb., Skimmia Laureola, Hook., RUTACE E.

Foods Neva-ledi, Tel., Vitex leucoxylon, Linn., VERBENACE.E.

Foods
Nevew, Eng., Brassica campestris, Linn., var. Napus, CRUCIFERÆ.
Foods

Nevew, Wild, Eng., Brassica campestris, Linn., var. campestris proper, CRUCIFERE. Foods

Nhyú, Bom., Anthocephalus Cadamba, Miq., RUBIACE.E. Foods

Niechak, N. Pb., Ladak to Lahoul, Hippophæ rhamnoides, Linn., ELEAGNER. Foods

Nikari, Sylhet, Castanopsis indica, A. DC., CUPULIFER.E. Foods

Nikki-bekkar, Pb., Grewia salvifolia, Heyne, TILIACE Z.

Nila, Nilgiris, Turpinia pomifera, DC., SAPINDACE.R. Foods

Nilofar, Pb., Kashmir, Nymphœ alba, Linn., NYMPHŒACEÆ. Foods

Nilon, N.-W. P., Andropogon Bladhii, Rets., GRAMINE E. Foods

Foods

Nilotpala, Sans., Nymphœa stellata, Willd., Nymphœace E. Foods Nilsaphala, Beng., Nymphoea stellata, Willd., Nymphoeace R. Foods Niluvu-pendalum, Tel., Dioscorea alata, Linn., Dioscore ACE ... Foods Nim, Hind., Beng., Melia Azadirachta, Linn., MELIACER. Nim. C. P., Melia Azedarach, Linn., MELIACER. Foods Nimat, Lepcha, Cordia Myxa, Linn., BORAGINE E. Foods Nimb, Hind., Beng., Melia Azadirachta, Linn., MELIACE E. Foods Nimba, Sans., Melia Azadirachta, Linn., MELIACER. Nimbe hanu, Kan., Citrus medica, Linn., RUTACE E. Foods Nimbu, Hind., Citrus medica, Linn., RUTACEA. Foods Nimma-pandu, Tel., Citrus medica, Linn., RUTACEE. Foods Niral, Pb., Lycium europœum, Linn., Solanace E. Foods Niranji, Kan., Salix tetrasperma, Roxb., SALICINE E. Nirmali, Hind., Mar., Strychnos potatorum, Linn. f., LOGANIACE E. Foods Nirelli, Tel., Allium Cepa, Linn., LILIACE Z. Foods Nirulli, Kan., Allium Cepa, Linn., LILIACER. Foods Nobhay, Burm., Odina Wodier, Roxb., ANACARDIACE A. Foods No-eye, Eng., Cajanus indicus, Spreng., LEGUMINOSE. Foods Nomorchi, Lepcha, Decaisnea insignis, Hook. f. & Th., BERBERIDE E. Foods Nona, Beng., Anona reticulata, Linn., ANONACE E. Foods Non-such, Enn., Medicago lupulina, Linn., LEGUMINOSE. Foods Nooniya, Beng., Portulaca quadrifida, Linn., Portulace A. Foods Nooniya-shag, Beng., Hind., Portulaca oleracea, Linn., PORTULACE E. Foods Nori, Beng., Phyllanthus distichus, Müll.-Arg., EUPHORBIACE A. Foods Nuch, Pb., Traxinus Xanthoxyloides, Wall., OLEACE E. Foods Nuch, Him. name, Juniperus Communis, Linn., CONIFERÆ. Foods Nukku-kattai, Tam., Dalbergia Sissoo, Roxb., Leguminos. Foods Nulla-gilakara, Tel., Nigella sativa, Linn., RANUNCULACE E. Foods Numing rik, Lepcha, Rubus paniculatus, Smith, ROSACE E. Foods Nuni, Ass., Morus indica, Linn., URTICACE E.

Nuni-beerd, Tel., Luffa ægyptiaca, Mill., ex Hook. f., Cucurbitace. E.

Nureni-kelangu, Mal., Dioscorea pentaphylla, Willd., Dioscoreace A.

Foods .
Nut, Areca, Eng., Areca Catechu, Linn., PALMÆ.

Foods
Nut, Earth, Eng., Arachis hypogæa, Linn., Leguminosæ.

Foods

Nut, Ground, Eng., Arachis hypogea, Linn., LEGUMINOS E.

Foods
Nutmeg, Eng., Myristica moschata, Willd., MYRISTICE.E.

Foods .
Nut, Fistachio, Eng., Pistacia vera, Linn., ANACARDIACE E.

Foods .

Nut, Singhara, Eng., Trapa bispinosa, Rozb., ONAGRACEÆ. Foods

Nut Tree, Clearing, Eng., Strychnos potatorum, Linn., LOGANIACEÆ. Foods

Nuwwulu, Tel., Sesamumindicum, Linn-, PEDALINER.

Nyoung bandi, Burm., Ficus religiosa, Linn., URTICACE.E.

Foods .

Nyoungchin, Burm., Ficus infectoria, Wall., URTICACE.E.

Foods
Nyoungpyoo, Burm., Ficus cordifolia, Roxb., URTICACER.
Foods

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Oak, Evergreen or Holm, Eng., Quercus Ilex, Linn., CUPULIFERÆ.

Foods .

Oak, Holly-leaved, Eng., Quercus Ilex, Linn., CUPULIFERE.

Foods .

Oat Grass, Downy, Eng., Avena pubescens, L., GRAMINEÆ. Foods

Oat Grass, Meadow, Eng., Avena pratensis, Linn., GRAMINE R. Foods

Oats, Eng., Avena sativa, Linn., GRAMINE E.

Foods
Oat, Wild, Eng., Avena fatua, Linn., GRAMINEÆ.

Foods .

Obul, Pb., Rumex Wallichii, Meisn., Polygonace...

Foods .

Ochro of West Indies, Eng., Hibiscus esculentus, Linn., MALVACER.

Foods ,

Oda, Tel., Panicum brizoides, Linn., GRAMINE E.

Odla, Ass., Sterculia urens, Roxb., STERCULIACE.E. Foods

Oe, Pb., Albizzia stipulata, Boivin., LEGUMINOSÆ. Foods

Oepata, Mal., Avicennia officinalis, Linn., VERBENACE.E.

Foods Ognon, Fr., Allium Cepa, Linn., LILIACE.E.

Foods .

Oi, Pb., Albizzia stipulata, Boivin., Leguminos. E.

Foods
Okshit, Burm., Ægle Marmelos, Correa., RUTACEÆ.
Foods

Ola, Pb., Solanum verbascifolium, Linn., Solanace Æ. Foods

Foods

Foods

Foods

Olá cháhá, Bom., Andropogon citratus, GRAMINEÆ. Foods Olchi, Pb., Prunus communis, Huds., var. domestica, Rosace A. Foods Ole, Beng., Hind., Amorphophallus campanulatus, Blume., AROIDE.A. Foods Oleaster, Eng., Elæagnus hortensis, M. Beib., ELÆAGNEÆ. Foods Olive, Eng., Olea europœa, Linn., OLEACER. Foods Omamu, Tel., Carum copticum, Benth., UMBELLIFERE. Foods Oman, Tam., Carum copticum, Benth., UMBELLIFERÆ. Foods Ombu, Lahoul, Myricaria germanica, Desv., TAMARISCINE ... Foods Ong, Burm., Cocos nucifera, Linn., PALME. Foods Onion, Eng., Allium Cepa, Linn., LILIACER. Foods Ootalay gudda, Tel., Solanum tuberosum, Linn., Solanace... Opa, Tam., Salvadora persica, Garcin., SALVADORACE A. Foods Opium, Eng., Papaver somniferum, Linn., PAPAVERACE E. Foods Orange, Eng., Citrus Aurantium, Linn., RUTACE. Foods Orcha, Beng., Sonneratia acida, Linn., LYTHRACE E. Foods Oruza, Greek, Oryza sativa, Linn., GRAMINE ... Foods Osirka, Tel., Phyllanthus Emblica, Linn., EUPHORBIACE E. Foods Otengah, Ass., Dillenea indica, Linn., DILLENIACER. Foods Ourooha, Sans., Cynodon Dactylon, Pers., GRAMINE E.

## P

Ouru palay, Tel., Oxystelma esculentum, Br., ASCLEPIADE A.

Ovali, Bom., Mimusops Elengi, Linn., SAPOTACE ...

Pabuna, Hind., Ulmus Willichiana, Planch., URTICACEE.
Foods
Padali, Pb., Heracleum, sp., Umbellifere.
Foods
Padám, N.-W. P., Juniperus excelsa, M. Beib., Conifere.
Foods
Padavala kayi, Kan., Trichosanthes anguma, Linn., Cucurbitacee.
Foods
Paddam, Hind., Prunus Puddum, Roxb., Rosacee.
Foods
Padi, Malay, Oryza sativa, Linn., GRAMINEE.
Foods
Padin, Beng., Nelumbium speciosum, Willd., NYMPHEACEE.

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Paduna, Pb., Tulipa stellata, Hook., LILIACE E.
    Foods
Paffu, Pb., Marsilea quadrifolia, Linn., MARSILEACE ...
    Foods
Pagada, Tel., Mimusops Elengi, Linn., SAPOTACEA.
    Foods
Pagun, Hind., Beng., Bombax malabaricum, DC., MALVACER.
    Foods
Pall-kura, Tel., Portulaca quadrifeda, Linn., Portulace A.
Pailapoota-tammi, Tam., Careya arborea, Roxb., MYRTACEM.
    Foods
Painpai, Beng., Carica Papaya, L., Passiflore A.
    Foods
Pakar, Nep., Ficus cordifolia, Roxb., URTICACE E.
    Foods
Pakhána, Pb., Rubus fruticosus, Linu., Rosace A.
    Foods
Pakri, Ass., Ficus cordifolia, Roxb., URTICACEA.
    Foods
Pakur, Hind., Beng., Ficus infectoria, Wall., URTICACER.
    Foods
Pala, Tam., Sideroxylon tomentosum, Roxb., SAPOTACEA.
    Foods
Pala chettu, Tel., Holarrhena antidysenterica, Wall., APOCYNACE F.
    Foods
Palah, Tam., Artocarpus integrifolia, Linn, URTICACEE.
Palak, Beng., Hind., Beta vulgaris, Moq., CHENOPODIACE A.
    Foods.
Palak, Jungli, Pb., Rumex Wallichii, Meisn., Polygonace A.
    Foods
Palás, Hind., Beng., Butea frondosa, Roxb., LEGUMINOS.E.
    Foods
Palási, Nep., Butea frondosa, Roxb., LEGUMINOSÆ.
    Foods
Palbal, Hind., Trichosanthes dioica, Roxb., CUCURBITACE E.
    Foods
Paldatam, Tel., Ehretia lævis, Roxb., BORAGINE E.
    Foods
Palet, Nep., Marlea begoniæfolia, Roxb., CORNACER.
    Foods
Palla, Tam., Mimusops hexandra, Roxb., SAPOTACE ...
    Foods
Palle panlo, Tel., Mimusops hexandra, Linn., SAPOTACE R.
Pallo, Ladak, Waldheimia Tridactylites, Kartshir, Composita.
Palm, Palmyra, Eng., Borassus flabellitormis, Linn., PALMA.
    Foods
Palm, Talipat, Eng., Corypha umbraculifera, Linn., PALME.
    Foods
Palma Christi, Eng., Ricinus communis, Linn., Euphorbiace ...
    Foods
Palos, Pb., Pyrus kumaoni, Dcne., Rosace A.
    Foods
Palosa, Afg., Acacia modesta, Wall., Leguminos. E.
    Foods
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Palu, Pb., Pyrus Malus, Linn., Rosace R.

Paln, Cingh., Mimusops hexandra, Linn., SAPOTACE E.

Foods

Foods

Paludar, Him. name, Abies Webbiana, Lindl., CONIFERE. Foods Paludar, Pb., Picea Webbiana, Lamb., CONIFERE. Foods Paluk, Hind., Spinacia oleracea, Mill., CHENOPODIACE R. Foods Palung, Beng., Spinacia oleracea, Mill., CHENOPODIACEÆ. Foods Palungú, Tam., Hibiscus cannabinus, Linn., MALVACE.R. Foods Palúpaghel-kalung, Tam., Momordica dioica, Roxb., Cucurbitace E. Foods Palwal, Hind., Trichosanthes dioica, Roxb., CUCURBITACE E. Foods Pambah, Pers., Gossypium herbaceum, Linn., MALVACE E. Pambash, Pb. Himalaya & Afg., Rheum Emodi, Wall., POLYGONACE E. Foods Pamposh, Pb., Nelumbium speciosum, Willd., NYMPHŒACEÆ. Foods Pán, Hind., Beng., Piper Betle, Linn., PIPERACEÆ. Foods Pan, Pb., Sind, Typha elephantina, Roxb., TYPHACE E. Foods Pána, Bom., Piper Betle, Linn., PIPERACEÆ. Foods Pana, Sind, Typha elephantina, Roxb., TYPHACEE. Foods Panum, Tam., Borassus flabelliformis, Linn., PALME. Foods Panar, Hind., Randia uliginosa, DC., RUBIACE E. Foods Panas, Hind., Artocarpus integrifolia, Linn., URTICACEÆ. Foods Panasa, Sans., Artocarpus integrifolia, Linn., URTICACE E. Foods Pándharyú, Bom., Acacia leucophlæa, Willd., Leguminosæ. Foods Pandur, Lepcha, Anthocephalus Cadamba, Miq., RUBIACEÆ. Foods Panelra, Mar., Randia uliginosa, DC., RUBIACEÆ. Foods Pangah, Burm., Terminalia chebula, Rets., COMBRETACE R. Foods Pangra, Nep., Entada scandens, Bth., LEGUMINOSE. Foods Paniah, Hind., Randia uliginosa, DC., RUBIACEÆ. Foods Panic Grass, Creeping, Eng., Cynodon Dactylon, Pers., GRAMINE E. Foods Panichika, Tam., Diospyros Embryopteris, Pers., EBENACEÆ. Foods Pani-jama, Beng., Salix tetrasperma, Roxb., SALICINE A. Foods Pani-phal, Beng, Trapa bispinosa, Roxb., ONAGRACE E. Foods Panir, Pb., Withania coagulans, Dun., SOLANACE E. Foods Panir-bad, Pers., Withania coagulans, Dun., SOLANACER.

Panirak, Pb., & Sind, Malva parviflora, Linn., MALVACER.

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Panji, Lepcha, Randia dumetorum, Lam., RUBIACE R.
    Foods
Panlat, Burm., Elettaria Cardamomum, Maton., Scitamine E.
Panni, Pb., Andropogon laniger, Desf., GRAMINE E.
    Foods
Pannie, Tam., Borassus flabelliformis, Linn., PALMÆ.
    Foods
Pánnan, Oudh, Ougeinia dalbergioides, Benth., LEGUMINOSÆ
    Foods
Pao, Lepcha, Dendrocalamus Hamiltonii, Nees. & Arn., GRAMINE E.
    Foods
Papar, Hind., Pongamia glabra, Vent., LEGUMINOSÆ.
    Foods
Papar, Kumaun, Ribes nigrum, Linn., SAXIFRAGACEÆ.
    Foods
Papar, Kumaun, Ulmus integrifolia, Roxb., URTICACE E.
    Foods
Papat-kalam, Pb., Viburnum cotinifolium, Don., CAPRIFOLIACE E.
    Foods
Papaw Tree, Eng., Carica papaya, L., PASSIFLORE Æ.
    Foods
Papaya, Hind., Carica Papaya, L., PASSIFLORE E.
    Foods
Papaya Tree, Eng., Carica Papaya, L., Passiflore E.
    Foods
Paper Birch, Indian, Eng., Betula Bhojpattra, Wall., CUPULIFERE.
    Foods
Papra, Pb., Salvia Moorcroftiana, Wall., LABIATA.
    Foods
Papri, Hind., Pb., Ulmus integrifolia, Roxb., URTICACE E.
    Foods
Papri, Pb., Podophyllum emodi, Wall., BERBERIDÆ.
    Foods
Paputa, Sind, Carica Papaya, L., PASSIFLORE.
    Foods
Parami, Tel., Zizyphus Œnoplia, Mill., RHAMNEÆ.
    Foods
Parás, Mar., Butea frondosa, Roxb., Leguminos.E.
    Foods
Páras, Pb., Prunus Padus, Linn., ROSACEÆ.
    Foods
Parba, N.-W. P., Heteropogon contortus, R. & S., GRAMINE E.
    Foods
Paroa, Hind., Ficus glomerata, Roxb., URTICACEÆ.
    Foods
Parosi, Bom., Luffa ægyptiaca, Mill, ex. Hook f., CUCURBITACE E.
    Foods
Parpalli, Kan., Zizyphus nummularia, W. & A., RHAMNEÆ.
    Foods
Parsid, Singrowli, Hardwickia binata, Roxb., LEGUMINOSA.
    Foods
Parsley, Eng., Petroselinum sativum, Hoff. & Koch., UMBELLIFERE.
    Foods
Parungi, Pb., Quercus dilatata, Lindl., CUPULIFERÆ.
    Foods
Parupu benda, Tam., Hibiscus ficulneus, Linn., MALVACER.
    Foods
Parwatti, Pb., Cocculus Leæba, DC., MENISPERMACEÆ.
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Foods

Pas, Pb., Grewia villosa, Willd., TILIACEÆ.

Foods

Foods

Pa-ching, Bhutia, Dendrocalamus Hamiltonii, Nees, & Arn., GRAMINE, E. Foods Passi, Nep., Pyrus Pashia, Ham., ROSACE M. Foods Pastuwanne, Afg., Grewia oppositifolia, Roxb., TILIACE A. Foods Pasupu, Tel., Curcuma longa, Roxb., Scitamine A. Foods Pat, Beng., Corchorus olitorius, Linn., TILIACE A. Foods Patee-khori, Beng., Saccharum fuscum, Roxb., GRAMINE E. Foods Patenga, Tel., Briedelia montana, Willd., EUPHORBIACE. Foods Pathico, Nep., Arundinaria racemosa, Munro, GRAMINE E. Foods Pathor, Pb., Briedelia retusa, Spreng., EUPHORBIACE A. Foods Patimil, Nep., Antidesma diandrum, Tulasne, Euphorbiace z. Foods Pativa, Uriya, Randia dumetorum, Lam., RUBIACEÆ. Foods Patmoro, Nep., Cornus macrophylla, Wall., CORNACE E. Foods Patnai. See Pisum sativum, Linn., LEGUMINOS.E. Foods Patsan, Hind., Dec., Hibiscus cannabinus, Linn., MALVACE A. Foods Patur, Hind., Hymenodictyon excelsum, Wall., RUBIACE E. Foods Patu-swa, Nep., Polygonum molle, Don., Polygonace A. Foods Patwa, Dec. Hind., Hibiscus Sabdariffa, Linn., MALVACE E. Foods Pauch-sim, Beng., Dolichos Lablab, Linn., LEGUMINOSÆ. Foods Pauttie, Tel., Gossypium herbaceum, Linn., MALVACE E. Foods Pává, Tam., Schleichera trijuga, Willd., SAPINDACE E. Foods Payála, Garhwal, Buchanania latifolia, Roxb., ANACARDIACEÆ. Foods Paycoomutí, Tam., Citrullus Colocynthis, Schrad., CUCURBITACE E. Foods Pea, common, Eng., Pisum sativum, Linn., LEGUMINOSÆ. Foods Pea, Field, Eng., Pisum arvense, Linn., LEGUMINOS.E. Foods Pea, Grey, Eng., Pisum arvense, Linn., LEGUMINOSÆ. Foods Peach, Eng., Prunus persica, Benth. & Hook., ROSACE A. Foods Pear, common, Eng., Pyrus communis, Linn., ROSACEA. Foods Pebeng, Burm., Corypha umbraculifera, Linn., PALMÆ. Foods Pech, Sind, Daphne mucronata, Royle, THYMELEACEE.

Peda-kanru, Tel., Flacourtia Ramontchi, L'Herit., BIXINE A.

Pedda, Tel., Eleusine corocana, Gærtn, GRAMINEÆ.

Pedda-are, Tam., Bauhinia purpurea, Linn., LEGUMINOSA. Foods Pedda chintu, Tel., Celastrus senegalensis, Lam., CELASTRINE.E. Foods Pedda dosray, Tel., Cucumis Melo, Linn., var. Momordica (sp. Roxb.), CUCURBITACE . Foods Pedda eita, Tel., Phœnix sylvestris, Roxb., PALMA. Foods Pedda-ganti (plant), Tel., Pennisetum typhoideum, Rick., GRAMINE A. Foods Peddagi, Tel., Pterocarpus Marsupium, Roxb., LEGUMINOS.A. Pedda-jila-kurra, Tel., Fæniculum vulgare, Gærtn., UMBELLIFERE. Foods Pedda-kai, Tel., Cucumis Melo, Linn., var. Momordica (sp. Rozb.). CUCURBITACE . Foods Pedda-nella-kura, Tel., Premna latifolia, Roxb., VERBENACEÆ. Foods Peddanolwli, Tel., Ulmus integrifolia, Roxb., URTICACE.E. Foods Pedda-warago-wenki, Tel., Salvadora persica, Garcin., SALVADORACE.R. Foods Peddi-mari, Tel., Ficus bengalensis, Linn., URTICACE A. Foods Peechenggah, Mal., Luffa acutangula, Roxb., Cucurbitace. Peekun-kai, Tam., Luffa acutangula, Roxb., Cucurbitace E. Foods Peepul, Pahari, N.-W. Bengal, Piper sylvaticum, Roxb., PIPERACE R. Foods Peetha-kalaban-tha, Tam., Agave americana, Linn., AMARYLLIDE E. Foods Peingnai, Burm., Artocarpus integrifolia, Linn., URTICACEE. Foods Pelándu, Sans., Allium cepa, Linn., LILIACER. Foods Pella-gumudu, Gond., Antidesma diandrum, Tulasne, Euphorbiace M. Foods Pender, Gond., Randia uliginosa, DC., RUBIACE.E. Foods Pendra, Uriya, Randia uliginosa, DC., RUBIACE. Foods Penma, Ladak, Potentilla fruticosa, Linn., ROSACEE. Foods Penti tadi, Tel., Borassus flabelliformis, Linn., PALMÆ. Foods Pepper, Bell, Eng., Capsicum grossum, Willd., SOLANACE E. Foods Peppermint, Eng., Mentha piperita, Linn., LABIATE. Foods Pepre, Tam., Ficus infectoria, Wall., URTICACER.

Perambu, Tam., Calamus Rotang, Linn., PALME.
Foods
Pera pastawane, Afg., Securinega Leucopyrus, Müll.-Arg.,
EUPHORBIACEÆ. Foods
Periaeetcham, Tam., Phœnix sylvestris, Roxb., PALMÆ.
Foods
Perinkara, Kan., Elæocarpus serratus, Linn., Tiliaceæ.
Foods

Pepul Tree, Eng., Ficus religiosa, Linn., URTICACRE.

Foods

Perkhatúna, Pb., Cocculus Leæba, DC., MENISPERMACER. Peru, Bom., Psidium Guyava, Raddi., MYRTACE R. Foods Perumbe, Tam., Prosopis spicigera, Linn., LEGUMINOSÆ. Foods Perungayam, Tam., Ferula Narthex, Boiss., UMBELLIFERE. Pessaloo, Tel., Phaseolus Mungo, Linn., LEGUMINOS.E. Foods Petakara, Beng., Chrysophyllum Roxburghii, G. Don., SAPOTACE R. Foods Pethá, Hind., Benincasa cerifera, Savi, Cucurbitace A. Foods Pethra, Him. name, Juniperus communis, Linn., Conifera. Foods Péyara, Beng., Psidium Guyava, Raddi., MYRTACE E. Foods Phair-posh, Kashmir, Villarsia nymphoides, Vent., GENTIANACE E. Foods Phálase, Bom., Grewia asiatica, Linn., TILIACE A. Foods Phaldu, Hind., Hymenodictyon excelsum, Wall., RUBIACE E. Foods Phaligawar, N.-W. P. & Oudh, Cyamopsis psoralioides, DC., LEGUMINOSÆ. Foods Phalja, Pb., Populus ciliata, Wall., SALICINE E. Foods Phálsa, Hind., Sind, Pb., Grewia asiatica, Linn., TILIACE E. Foods Phalsh, Pb., Populus balsamifera, Linn., Salicine E. Foods Phalwa, Pb., Grewia vestita, Wall., TILIACE E. Foods Phalwara, Hind., Bassia butyracea, Roxb., SAPOTACEÆ. Foods Phamsikol, Lepcha, Dillenia indica, Linn., DILLENIACE E. Foods Phani, Lepcha, Phoebe attenuata, Nees., LAURINE E. Foods Phapar, Kumaun, Fagopyrum emarginatum, Meisn., Polygonace R. Foods Phaphra, Pb., Fagopyrum esculentum, Mænch., Polygonack. Foods Pharoah, Hind., Sind, Pb., Grewia asiatica, Linn., TILIACE E. Foods Pharsa, Hind., Grewia tilizefolia, Vahl., TILIACER. Pharsia, Hind., Grewia vestita, Wall., TILIACEA. Foods Pharsia, Kumaun, Grewia scabrophylla, Roxb., TILIACEÆ. Foods Pharwa, Pb., Grewia oppositifolia, Rozb., TILIACEÆ. Foods Phatak, Him. name, Betula Bhojpattra, Wall., CUPULIFERÆ. Foods Phikar, N.-W. P., Panicum miliaceum, Linn., GRAMINEÆ. Foods

Philku, Pb., Lonicera angustifolia, Wall., CAPRIFOLIACE E.

Phogalli (flowers), Pb., Calligonum polygonoides, Linn., Polygonace A.

Foods

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Phok, Pb., Calligonum polygonoides, Linn., Polygonace E. Foods
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Phomphli, Pb., Sageretia theezans, Brongn., RHAMNEE. Foods

Phulahi, Pb., Acacia modesta, Wall., Leguminosæ. Foods

Phulan, Pb., Fagopyrum emarginatum, Meisn., Polygonace.k.

Phularwa, N.-W. P., Eragrostis flexuosa, Roxb., GRAMINEÆ. Foods

Phularwa, N.-W. P., Eragrostis plumosa, Link., GRAMINEÆ. Foods

Phulel, Kumaun, Bassia butyracea, Roxb., SAPOTACEÆ. Foods

Phulsan, N. Ind., Crotalaria juncea, Linn., LEGUMINOS.E. Foods

Phulsel, Kashmir, Viburnum stellulatum, Wall., CAPRIFOLIACE.E. Foods

Phul-wara, Chenab, Prinsepia utilis, Royle, ROSACEE. Foods

Phus, Pb., Ladak, Potamogeton gramineus, L., NAIADACEÆ. Foods .

Phusera, Hind., Mæsa argentea, Wall., Myrsine A. Foods

Phuspat, Nep., Betula Bhojpattra, Wall., CUPULIFERE. Foods

Phut, Hind., Cucumis Melo, Linn., var. Momordica (sp. Roxb.), Cucurbitace... Foods

Phut, Pb., Lonicera quinquelocularis, Hardwicke, CAPRIFOLIACEÆ.
Foods

Phuti, Beng., Cucumis Melo, Linn., var., Momordica (sp. Roxb.), Cucurbitace E. Foods .

Phutiki, Tel., Grewia asiatica, Linn., TILIACE E. Foods

Phútkonda, Pb., Ballota limbata, Benth., LABIATE. Foods

Pi, Eng., Tacca pinnatifida, Forsk., TACCACE.E. Foods

Piál, Garhwal, Buchanania latifolia, Roxb., ANACARDIACE.E. Foods

Plar, Oudh, Buchanania latifolia, Rozb., ANACARDIACE E. Foods

Piasal, Beng., Terminalia tomentosa, W. & A., COMBRETACEÆ. Foods .

Piaz, Pb., Iris kumaonensis, Wall., IRIDEÆ.

Piaz barani, Hind., Allium Rubelium, Bieb., LILIACEÆ. Foods

Piazi, Pb., Asphodelus fistulosus, Linn., LILIACEÆ. Foods

Piazi chiri, Hind., Allium Rubelium, Bieb., LILIACE E.

Piaz, Jangli, Hind., Allium Rubelium, Bieb., LILIACEE. Foods .

Pigeon, Eng., Cajanus indicus, Spreng, LEGUMINOSÆ. Foods

Pilak, Pb., Solanum gracilipes, Dcne., SOLANACEÆ. Foods .

Pila-sarson, Hind., Brassica campestris, Linn., var. Napus, sub-va glauca, CRUCIFERE. Foods

Pilru, Pb., Lonicera angustifolia, Wall., CAPRIFOLIACEÆ. Foods

Pilsa, Lakoul, Ribes Grossularia, Linn., Saxifragacer. Foods

Pilu, Mar., Salvadora oleoides, Linn., Salvadoracem. Foods

Pimento Tree, Eng., Eugenia Pimento, DC., MYRTACE.E.
Foods

Pin, Burm., Butea frondosa, Roxb., LEGUMINOS.E.

Pincho, Pb., Boehmeria salicifolia, D. Don., URTICACE.E.
Foods

Pind (fruit), Pb., Phoenix dactylifera, Linn., PALME.
Foods

Pindalu, Hind., Randia uliginosa, DC., RUBIACE.E. Foods

Pind-khajur, Hind., Phœnix acaulis, Roxb., PALMÆ. Foods

Pindra, Mar., Randia uliginosa, DC., RUBIACE.E. Foods

Pine-apple, Eng., Ananassa sativa, Linn., BROMELIACER. Foods

Pinju, Pb., Capparis aphylla, Roth., CAPPARIDE E. Foods

Pinjung, Ladak, Potentilla fruticosa, Linn., ROSACEE. Foods

Pinlaytsee, Burm., Ximenia americana, Willd., OLACINER. Foods .

Pinna, Tel., Bassia longifolia, Willd., SAPOTACE.E. Foods

Pintayan, Burm., Grewia vestita, Wall., TILIACE E. Foods .

Pipal, Hind., Ficus religiosa, Linn., URTICACE E. Foods

Pipal, Pahari, Pb., Populus ciliata, Wall., SALICINE.E. Foods

Pipli, Jangli, Pb., Ficus infectoria, Wall., URTIACCRE. Foods

Piplo, Gus., Ficus religiosa, Linn., URTICACE.E. Foods .

Pippa, Pb., Caralluma edulis, Benth., ASCLEPIADER. Foods

Pipudel, Tam., Trichosanthes cucumerina, Linn., Cucurbitace E. Foods

Pipul, Hind., Ficus cordifolia, Roxb., URTICACE.E. Foods

Piralo, Beng., Randia uliginosa, DC., RUBIACE.A. Foods

Pishina, Tel., Maba buxifolia, Pers., EBENACEE. Foods

Pista, Beng., Hind., & Bom., Pistacia vera, Linn., ANACARDIACEE. Foods

Pita, Tam., Agave americana, Linn., AMARYLLIDEE. Foods

Pita-kanda, Tel., Daucus Carota, Linn., Umbellifer. Foods

Pitar-saleri, Pb., Petroselinum sativum, Hoff. & Koch., Umbellifer. E. Foods

Pithogarkh, Ass., Chrysophyllum Roxburghii, G. Don., SAPOTACEÆ.

Pitwa, Hind., Hibiscus cannabinus, Linn., MALVACEÆ. Foods

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Pitz, Kashmir, Typha angustifolia, Linn., TYPHACE.A.
    Foods
Piyáj, Beng., Allium cepa, Linn., LILIACE B.
    Foods
Piyala, Bom., Michelia Champaca, Linn., MAGNOLIACE ...
    Foods
Piyáz, Hind., Allium Cepa, Linn., LILIACEÆ,
    Foods
Plantain, Eng., Musa paradisiaca, Linn., Scitammer.
    Foods
Plum, Eng., Prunus communis, Huds., Rosace A.
    Foods
Plum, Bokhara, Eng., Prunus communis, Huds., var. Insititia, ROSACER.
    Foods
Plum, Indian, Eng., Flacourtia Ramontchi, L'Herit., BIXINE E.
    Foods
Podala-manu, Tel., Acacia Catechu, Willd., LEGUMINOS.E.
    Foods
Poi, Beng., Hind., Basella alba, L., CHENOPODIACE E.
    Foods
Poka-vakka, Tel., Areca Catechu, Linn., PALMA.
    Foods
Polach, Pb., Albizzia odoratissima, Benth., LEGUMINOSA.
    Foods
Polari, Tel., Antidesma Ghæsembilla, Gærtn., EUPHORBIACE &.
    Foods
Poli, Pb., Carthamus oxyacantha, Bieb., Compositæ.
    Foods
Pollai, Tel., Antidesma Ghæsembilla, Gærtn., EUPHORBIACE A.
Poma, Ass., Cedrela Toona, Roxb., MELIACER.
    Foods
Poma, Ass., Garuga pinnata, Roxb., Burserace A.
Pomegranate, Eng., Punica Granatum, Linn., LYTHACEA.
    Foods
Pomelo, Eng., Citrus decumana, Willd., RUTACER.
    Foods
Pona, Hind., Pueraria tuberosa, DC., LEGUMINOS.E.
    Foods
Ponassa, Tel., Elusine corocana, Gartn., GRAMINEA.
    Foods
Ponga, Tam., Pongamia glabra, Vent., LEGUMINOSÆ.
    Foods
Pooliarai, Tam., Oxalis corniculata, Linn., GERANIACE E.
    Foods
Poondra (red var.), Sans., Saccharum officinarum, Linn., GRAMINE.E.
Poori (pale var.), Beng., Saccharum officinarum, Linn., GRAMINE E.
    Foods
Poothadah, And., Nipa fruticans, Wurmb., PALMA.
Poovati, Tam., Nephelium Longana, Camb., SAPINDACE A.
    Foods
Poplar, Himalayan, Eng., Populus euphratica, Olivier, SALICINE E.
    Foods
Poppy, White, Eng., Papaver somniferum, Linn., PAPAVERACE.E.
    Foods
Poral, Pb., Heracleum, sp., UMBELLIFERÆ.
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Foods

Porasan, Tam., Butea frondosa, Roxb., LEGUMINOSA.

Foods

Foods

Pukana, Pb., Rubus ellipticus, Smith, ROSACE E.

Pulá, Tam., Bombax malabaricum, DC., MALVACEÆ,

Porásu, Uriya, Butea frondosa, Roxb., LEGUMINOSÆ. Foods Porós, Kol., Artocarpus integrifolia, Linn., URTICACE A. Foods Posa, Burm., Morus indica, Linn., URTICACEA. Foods Possy, Nep., Docynia indica, Done., ROSACE E. Foods Post, Beng., Hind., Papaver somniferum, Linn., PAPAVERACE A. Foods Potal, Beng., Trichosanthes dioica, Roxb., Cucurbitace A. Foods Potali, Hind., Glycosmis pentaphylla, Correa., RUTACE E. Foods Potato, Eng., Solanum tuberosum, Linn., SOLANACE E. Foods Potatoe, Sweet, Lamk., Ipomæa Batatas, Lamk., Convolvulace E. Foods Poto-dhamun, Palamow, Grewia vestita, Wall., TILIACE E. Foods Potu tadi, Tel., Borassus flabelliformis, Linn., PALMÆ. Foods Pouk, Burm., Butea frondosa, Roxb., LEGUMINOSÆ. Foods Poukpan, Burm., Sesbania grandiflora, Pers., LEGUMINOS E. Foods Poulto, Eng. See Pisum arvense, Linn., LEGUMINOSÆ. Foods Prab, Garo, Ficus cordifolia, Roxb., URTICACE E. Foods Prabanatha, Sans., Cassia Tora, Linn., Leguminosæ. Foods Praong, Lepcha, Arundinaria Hookeriana, Munro, GRAMINE E. Foods Prau, Pb., Eremurus spectabelis, Bieb., LILIACER. Foods Pride of India, Eng., Melia Azedarach, Linn., MELIACE E. Foods Pritu, Chenab, Pinus Gerardiana, Wall., CONIFERE. Foods Pronchadik, Lepcha, Holbællia latifolia, Wall., BERBERIDEÆ. Foods Prong, Lepcha, Arundinaria Hookeriana, Munro, GRAMINE A. Foods Pú, Tam., Schleichera trijuga, Willd., SAPINDACE E. Foods Puagakara (male plants), Tel., Momordica dioica, Roxb., Cucurbitace.E. Pucha-payaroo, Tam., Phaseolus Mungo, Linn., LEGUMINOSÆ. Foods Pudding Pipe, Eng., Cassia Fistula, Linn., LEGUMINOS.E. Foods Pudel, Tam., Trichosanthes cucumerina, Linn., CUCURBITACE.E. Foods Pudina, Beng., Hind., Dec., Mentha arvensis, Linn., LABIATE. Foods Pudina, Pahari, Hind., Mentha viridis, Linn., LABIATE.

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Pulachi, Tam., Schleichera trijuga, Willd., SAPINDACE A.
    Foods
Púli, Tam., Tamarindus indica, Linn., LEGUMINOS.E.
    Foods
Pulichinta, Tel., Oxalis corniculata, Linn., GERANIACE E.
    Foods
Pulladondur, Tel., Bauhinia malabarica, Roxb., LEGUMINOSA.
Pulmu, Pb., Viburnum fœtens, Decaisne, CAPRIFOLIACE E.
    Foods
Pulocah. N.-W. P., Chloris barbata, Swarts., GRAMINER.
    Foods
Pulréah, N.-W. P., Andropogon pertusus, Willd., GRAMINE ...
    Foods
Pulsur, Tel., Antidesma Ghæsembilla, Gærtn., Euphorbiace R.
    Foods
Pulua, Beng., Hibiscus cannabinus, Linn., MALVACE A.
    Foods
Pulu pinan myank, Burm., Manihot utilissima, Pohl., Euphorbiace A.
    Foods
Pulwai, N.-W. P., Andropogon pertusus, Willd., GRAMINER.
    Foods
Pulwan, Pb., Andropogon pertusus, Willd., GRAMINEA.
Puma, Pb., Oxybaphus himalaicus, Edge., NYCTAGINE R.
    Foods
Pummoon, Lepcha, Arundinaria racemosa, Munro, GRAMINE A.
    Foods
Pumpkin, Eng., Cucurbita Pepo, DC., Cucurbitace E.
    Foods
Pun, Him. name, Abies Webbiana, Lindl., Coniferæ.
    Foods
Puná, Courtallum, Nephelium Longana, Camb., SAPINDACE E.
    Foods
Punanto-si, Burm., Trigonella Fænum-græcum, Linn., Leguminos A.
    Foods
Punar puli, Kan., Garcinia Morella, Desr., Guttiferæ.
    Foods
Pung-chu, Ladak, Taxus baccata, Linn., Conifera.
Foods
Pánil, Kan., Odina Wodier, Roxb., ANACARDIACE A.
    Foods
Púnirke-bif, Hind., Withania coagulans, Don., SOLANACE E.
    Foods
Púnyan, Hind., Ehretia acuminata, Br., Boragine E.
    Foods
Pur, Tel., Eriodendron anfractuosum, DC., MALVACER.
    Foods
Pura-gadi, Tel., Cyperus bulbosus, Vahl., CYPERACE E.
    Foods
Purkar, Ladak, Tanacetum senecionis, Gay in DC., Compositæ.
    Foods
Pursan, Pb., Ehretia acuminata, Br., Boraginez.
Pursiane, Common, Eng., Portulaca oleracea, Linn., PORTULACE E.
    Foods
Pushini-kaia, Tam., Cucurbita maxima, Duchesne, Cucurbitace E.
    Foods
Pusku, Tel., Schleichera trijuga, Willd., SAPINDACE E.
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Putájan, Pb., Putranjiva Roxburghii, Wall, Euphorbiace z.

Foods

Putiki, Tel., Grewia asiatica, Linn., TILIACER.

Pútra-jiva, Hind., Putranjiva Roxburghii, Wall., Euphorbiace E.

Foods

Foods

Foods

Foods

Foods

Put-strangali, Tel., Apluda aristata, Linn., GRAMINE E.

Foods .

Putulika, Sans., Trichosanthes dioica, Roxb., Cucurbitace E.

Foods .

Pyal, Bom., Buchanania latifolia, Roxb., ANACARDIACER.
Foods

Pyeenyoung, Burm., Ficus bengalensis, Linn., URTICACE. Foods

# Q

Quince, Eng., Cydonia vulgaris, Tourn., Rosace E. Foods .

## R

Radam, Pb., Taraxacum officinale, Wigg., Compositæ.

Foods

Rade, Pb., Ribes rubrum, Linn., SAXIFRAGACEÆ.

Foods

Radish, Eng., Raphonus sativus, Linn., CRUCIFERÆ. Foods

Rag, Pb., Picea Webbiana, Lamb., Conferæ. Foods

Rag, Him. name, Abies Webbiana, Lindl., CONIFER.E. Foods

Ragee, Eng., Eleusine corocana, Gartn., GRAMINEÆ. Foods

Ragha, Kumaun, Abies Webbiana, Lindl., CONIFERE. Foods .

Ragi, Tel., Ficus religiosa, Linn., URTICACE E.

Rahira, Pb., Tecoma undulata, G. Don., BIGNONIACE E. Foods

Rai, Eng., Hind., Brassica juncea, H. f., & T. T., CRUCIFERÆ. Foods

Rai, Hind., Brassica nigra, Koch., CRUCIFERÆ. Foods

Rai, Uriya, Dillenia indica, Linn., DILLENIACE E. Foods

Rai, Uriya, Tam., Dillenia pentagyna, Roxb., DILLENIACEÆ. Foods

Rai, Tel., Ficus religiosa, Linn., URTICACE E.

Rai-asl, Hind., Brassica nigra, Koch., CRUCIFERÆ. Foods

Rai-banj, Kumaun, Quercus lanuginosa, Don., CUPULIFERÆ. Foods

Rai-bari, Hind., Brassica juncea, H. f., & T. T., CRUCIFER.E. Foods

Rai-ghor, Hind., Brassica nigra, Koch., CRUCIFERÆ. Foods

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Rai-Jaman, Hind., Eugenia operculata, Roxb., MYRTACE.A.
     Foods
  ai-kali, Hind., Brassica nigra, Koch., CRUCIERRE,
     Foods
  ai-khas, Hind., Brassica juncea, H. f., & T. T., CRUCIFERE.
    Foods
  ai-makara, Hind., Brassica nigra, Koch., CRUCIFERE.
Rain, Meywar, Mimusops hexandra, Roxb., SAPOTACER.
     Foods
Rai sarisha, Beng., Brassica nigra, Koch., CRUCIFERE.
Rai-shahzada, Hind., Brassica juncea, H. f., & T. T., CRUCIFERE.
    Foods
Rajáin, Pb., Ulmus integrifolia, Roxb., URTICACER.
    Foods
Rajankhirni, Gus., Mimusops hexandra, Roxb., SAPOTACE E.
     Foods
Raj birij, Nep., Cassia Fistula, Linn, LEGUMINOSE.
    Foods
Raji, Dec. & S. India, Erusine corocana, Gartn., GRAMINE A.
    Foods
Rajika, Sans., Brassica campestris, Linn., var. Napus, sub-var. g'auca.
    CRUCIFERÆ. Foods
Rajika, Sans., Brassica juncea, H f., & T. T., CRUCIFERÆ.
    Foods
Railka, Sans., Brassica nigra, Koch., CRUCIFERE.
    Foods
Rajika, Sans., Eleusine corocana, Gartn., GRAMINE, E.
    Foods
Rakta-kanchan, Beng., Bauhinea purpurea, Linn., LEGUMINOSE.
    Foods
Rakta kanchan, Beng., Bauhinea variegata, Linn., LEGUMINOS E.
    Foods
Rakt-reora, Mar., Tecoma undulata, G. Don., BIGNONIACE, E.
    Foods
Rála, Deccan, Setaria italica, Kuntk., GRAMINE A.
    Foods
Rali, N.-W. P., Panicum miliaceum, Linn., GRAMINER.
    Foods
Ráma-káti, Bom., Acacia arabica, Willd., LEGUMINOS.E.
    Foods
Ramleh, Eng., Baccaurea sapida, Müll.-Arg., EUPHORBIACER.
    Foods
Ranga-aloo, Beng., Ipomæa Batatas, Lamk., Convolvulace R.
    Foods
Rangkrum, Pb., Syringa Emodi, Wall., OLEACE E.
    Foods
Ranj, Kumaun, Quercus lanuginosa, Don., CUPULIFERE.
    Foods
Ransheroo, Beng., Hemarthria compressa, R. Br., GRAMINER.
    Foods
Ranturai, Gus., Luffa acutangula, Roxb., var. amara, Roxb., Cucurbitace ...
    Foods
Ranturi, Hind., Hibiscus esculentus, Linn., MALVACER.
    Foods
Rapeseed, Eng., Brassica campestris, Linn., var. Napus, CRUCIFERE.
    Foods
Rapesho, Pb., Lonicera hypoleuca, Dne., CAPRIFOLIACER.
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Raram, Hind., Anthocephalus Cadamba, Miq., RUBIACEA.

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Rara-rada, Hind., Brassica campestris, Linn., var. Napus, sub-var. glauca,
    CRUCIFERA. Foods
Rara-earson, Hind., Brassica campestris, Linn., var. Napus, sub-var.
    glauca, CRUCIFERA. Foods
Rasaut, Hind., Berberis aristata, DC., and B. Lycium, Royle,
    BERBIRIDEA. Foods
Rashtu, Sutlej, Rhus semi-alata, Murray, ANACARDIACE E.
    Foods
Raspberry, Eng., Rubus Idoens,
                                     ROSACEAL.
    Foods
Rassaul, Oudh, Acacia concinna, DC., LEGUMINOSE.
Rassu, Cingh., Cinnamomum zeylanicum, Breyn., LAURINE R.
    Foods
Rasun, Beng., Allium sativum, Linn., Liliace E.
    Foods
Ratabauli, Gus., Acacia Jacquemontii, Benth., LEGUMINOS.E.
    Foods
Rata innala, Cingh., Solanum tuberosum, Linn., Solanace E.
    Foods
Rat-kihiri, Cingh., Acacia Catechu, Willd., LEGUMINOS.E.
    Foods
Rátálu, Hind., Dioscorea sativa, Willd., DIOSCOREACE A.
    Foods
Rati, Hind., Abrus precatorius, Linn., LEGUMINOS.E.
    Foods
Ratrirta, Tel., Sonchus oleraceus, Linn., Composit A.
    Foods
Raunj, Hind., Acacia leucophlæa, Willd., LEGUMINOSÆ.
    Foods
Rausa, N.-W. P. & Oudh, Vigna Catiang, Endl., LEGUMINOS.E.
    Foods
Ravi, Tel., Ficus religiosa, Linn., URTICACE A.
    Foods
Rawadan, Tel., Dilienia pentagyna, Roxb., DILLENIACE E.
Rawan rawari, Hind., Pb., Lathyrus Aphaca, Linn., Leguminos E.
    Foods
Rawas, N.-W. P. & Oudh, Vigna Catiang, Endl., LEGUMINOSÆ.
     Foods
Rawash, Pb., Himalaya & Afg., Rheum Emodi, Wall., POLYGONACE B.
    Foods
Rawsita, Tam., Anona reticulata, Linn., ANONACE E.
     Foods
 Rayan, Gus., Mimusops hexandra, Roxb., SAPOTACEÆ.
     Foods
 Ray, Perennial, Eng., Lalium perenne, Linn., GRAMINE A.
 Razli, Pb., Syringa Emodi, Wall., OLEACE A.
     Foods
 Re, Him. name, Abies Webbiana, Lindl., CONIFERE.
     Foods
 Rebdan, Pb., Tecoma undulata, G. Don., BIGNONIACE E.
     Foods
 Reed, Common, Eng., Phragmites communis, Trin., GRAMINE E.
     Foods
 Reed, Mace, Eng., Typha angustifolia, Linn., TYPHACE E.
     Foods
Ragi, Tel., Zizyphus Jujuba, Lam., RHAMNER. Foods
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Reiz, Ger., Oryza sativa, Linn., GRAMINEÆ.

Rellu-gaddi, Tel., Saccharum spontaneum, Linn., GRAMINE.E. Foods

Re-mo, Naga, Cucumis Melo, Linn., CUCURBITACE E.

Rendi, Hind., Ricinus communis, Linn., EUPHORBIACE. Foods

Rengha, Tel., Zizyphus Jujuba, Lam., RHAMNEE. Foods

Reodana, Pb., Tecoma undulata, G. Don., BIGNONIACE.R. Foods

Reri, Hind., Ricinus communis, Linn., EUPHORBIACE ...

Reri bherenda, Beng., Ricinus communis, Linn., EUPHORBIACE.E. Foods

Rerú, Hind., Acacia leucophlæa, Willd., LEGUMINOS.E. Foods

Re-see (collective name), Naga Hills, Coix lachryma, Linn., GRAMINEÆ. Foods

Rethel, Pb., Securinega Leucopyrus, Mall.-Arg., Euphorbiace....

Reuchini, Beng., Rheum Emodi, Wall., POLYGONACE E. Foods

Rewari, Him. name, Abies Webbiana, Lindl., CONIFERE.

Foods
Reylu, Tel., Cassia Fistula, Linn., Leguminos.e.

Foods .

Rha, Lepcha, Bauhinia variegata, Linn., Leguminos.

Foods .

Rhetsa maum, Tel., Zanthoxylum Rhetsa, DC., RUTACEÆ. Foods

Rhin, Pb., Quercus incana, Roxb., CUPULIFERE.

Foods . Rhubarb, Turkey, Eng., Rheum Emodi, Wall., POLYGONACEE. Foods .

Rice, Eng., Oryza sativa, Linn., GRAMINEÆ.
Foods

Richabi, Kashmir, Viburnum cotinifolium, Don., CAPRIFOLIACE.

Richang, Lahoul, Salix daphnoides, Vill., SALICINEE. Foods .

Ringa, Hind., Acacia leucophlæa, Willd., LEGUMINOS.E. Foods

Ringri, Tel., Balanites Roxburghii, Planch., SIMARUBEÆ. Foods

Rinj, Hind., Acacia leucophlæa, Willd., Leguminosæ. Foods

Rinj, Pb., Quercus incana, Rozb., Cupuliferz.
Foods .

Rinjal, C. P., Shorea robusta, Gartn., DIPTEROCARPER. Foods

Ris, Viburnum nervosum, Don., CAPRIFOLIACE E.

Foods .

Rishka, Afg., Lahoul, Medicago falcata, Linn., LEGUMINOS.E.
Foods .

Ritha, Beng., Sapindus Mukorrossi, Gartn., Sapindace A. Foods

Rithá, Hind., Acacia concinna, DC., LEGUMINOSÆ. Foods

Ritha, Hind., Sapindus Mukorrossi, Gærtn., SAPINDACEÆ.
Foods .

Riz, Fr., Oryza sativa, Linn., GRAMINEE. Foods

Roatanga, Tel., Schleichera trijuga, Willd., SAPINDAGEE.

Robhay, Bhutia, Ribes glaciale, Wall., SAXIFRAGACE.E.

Róghané kunjad, Pers., Sesamum indicum, Linn., Pedaline R. Foods

Roghu, Ass., Anthocephalus Cadamba, Miq., RUBIACE.E. Foods

Roira, Mhair., Tecoma undulata, G. Don., BIGNONIACEÆ. Foods

Rolka, N.-W. P. & Oudk, Eleusine crocana, Gartin., GRAMINER. Foods

Ronchiling, Lepcha, Spondias mangifera, Pers., ANACARDIACEE. Foods

Rosemary, Eng., Rosmarinus officinalis, Linn., LABIATE E. Foods

Ruchia, Hind., Cornas macrophylla, Wall., CORNACE Z. Foods

Rudrakaha, Tel., Guazuma tomentosa, Kunth., Stercultace.e., Foods

Rui, Hind., Pb., Gossypium herbaceum, Linn., MALVACE E. Foods

Rukar, N.-W. P., Andropogen pertusus, Willd., GRAMINE E. Foods .

Rukh baer, Nep., Zizyphus rugosa, Lamk,, RHAMNEÆ. Foods .

Rumbal, Pb., Ficus cordifolia, Roxb., URTICACE E.

Foods . Rundhani, Beng., Carum Roxburghianum, Benth., Umbelliferæ. Foods .

Rungbong, Lepcha, Caryota urens, Willd., PALME. Foods

Rusala (pale var.), Sans., Saccharum officinarum, Linn., GRAMINEÆ. Foods

Rusam, Uriya; Schleichera trijuga, Willd., SAPINDACER.
Foods

Russa-usareki, Tel., Phyllanthus distichus, Mall.-Arg., Euphorbiace A. Foods

Rye-grass, Eng, Lolium perenne, Linn, GRAMINEE.
Foods

Ryst, Dutch, Oryza sativa, Linn., GRAMINE E. Foods

S

Sabi-si, Burm., Vitis vinifera, Linn., AMPELIDEÆ.
Foods

Sacred Pythagorean or Egyptian Bean or Lotus, Eng., Nelumbium speciosum, Willd., NYMPHEACEÆ Foods

Sadachu, Mal., Grewia tiliæfolia, Vahl., TILIACEÆ.

Sadikka, Cingh., Myristica moschata, Willd., MYRISTICE E. Foods .

Sadora, Hyderabad, Terminalia tomentosa, W. & A., COMBRETACEÆ. Foods

Sadri, Hind., Terminalia tomentosa, W. & A., COMBRETACEÆ. Foods

- Safed, Hind., Eriodendron anfractuosum, DC., MALVACER. Foods
  Safeda, Pb., Populus ciliata, Wall., SALICINER. Foods
  Safedar, Pb., Dalbergia Sissoo, Roxb., Leguminosr.
- Foods . Said total and Park Stricture
- Safedar, Pb., Salix tetrasperma, Roxb, SALICINEE. Foods
- Safed-kabra, Nèp., Ficus infectoria, Wall., URTICACEÆ.
  Foods
- Safflower, Eng., Carthamus tinctorius, Linn., Compositæ. Foods
- Saffron, Bastard, Eng., Carthamus tinetorius, Linn., Compositm. Foods
- Ság, Beng., Amarantus Anardana, Hamilt., AMARANTACE.
- Sag, Beng., Amarantus mangostanus, L., Amarantace. E.
- Sagapu, Tam., Hymenodictyon excelsum, Wall., Rubiace A. Foods
- Sag-paluk, Hind., Spinacia oleracea, Mill., Chenopodiace A. Foods
- Sahaju, Uriya, Terminalia tomentosa, W. & A., COMBRETACE A. Foods
- Sahwan, N.-W. P. & Oudh, Eruca sativa, Lam., CRUCIFERE. Foods
- Sainjna, Rajputana, Moringa concanensis, Nimmo, MORINGE. Foods
- Saj, Hind., Terminalia tomentosa, W. & A., Combretace A. Foods
- Sajjalu, Tel., Pennisetum typhoideum, Rich., GRAMINE.E. Foods .
- Sajje, Kan., Pennisetum typhoideum, Rich., GRAMINEA. Foods
- Sajna, Beng., Moringa pterygosperma, Gartn., MORINGE A. Foods
- Sakalang, Ass., Elæocarpus lanceæfolius, Roxb., Tiliace A. Foods
- Sakena, Hind., Indigofera pulchella, Roxb., LEGUMINOS.E. Foods
- Sákhu, Hind., Shorea robusta; Gærin., DIPTEROCARPEÆ. Foods
- Sákwa, Nep., Shorea robusta, Gærtn., Dipterocarpe E. Foods
- Sál, Deccan, Oryza sativa. Linn., GRAMINE E. Foods
- Sál, Hind, Shorea robus a, Gærtn., DIPTEROCARPEÆ. Foods
- Sal Tree, Eng., Shorea robusta, Gartn., DIPTEROCARPER. Foods
- Sála, Hind., Shorea robusta, Gærtn., DIPTEROCARPEÆ.
  Foods
- Salad, Beng., Lactuca scariola, Linn., Compositæ. Foods
- Sala dhúp, Nep., Pinus longifolia, Roxb., Coniferz.
  Foods
- Sálib, Pb., Eulophia campestris, Lindl., ORCHIDEÆ. Foods
- Salma, Hind., Phoenix sylvestris, Roxb., PALMA.
- Salmali, Sans.. Bombax malabaricum, DC., MALVACE.E. Foods

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Salopa, Uriya, Caryota urens, Willd., PALME.
    Foods
Saluni, Pb., Rumex vesicarius, Linn., Polygonace Æ.
    Foods
Sálwa, Hind., Shorea robusta, Gartn., DIPTEROCARPE E.
    Foods
Salzat, Dec., Ocimum Basilicum, Linn., LABIATA.
    Foods
Sama, N.-W. P. & Oudh., Panicum frumentaceum, Roxb., GRAMINEÆ.
    Foods
Samada, Sind, Prosopis spicigera, Linn., LEGUMINOSÆ.
    Foods
Sama-kadan, Lepcha, Garcinia stipulata, T. And., GUTTIFER.E.
    Foods
Samanka, Hind., Citrullus vulgaris, Schrad., CUCURBITACE A.
    Foods
Samara, Gus., Prosopis spicigera, Linn., LEGUMINOSA.
    Foods
Samdi, Gus., Prosopis spicigera, Linn., LEGUMINOSÆ.
    Foods
Same, Kan., Panicum frumentaceum, Roxb., GRAMINEÆ.
    Foods
Samel. N.-W. P. & Oudh, Panicum frumentaceum, Roxb., GRAMINE E.
    Foods
Sami, Sind., Prosopis spicigera, Linn., LEGUMINOSÆ.
    Foods
Samsundra, Hind., Albizzia stipulata, Boivin., LEGUMINOSÆ.
    Foods
San. Pb., Andropogon laniger, Desf., GRAMINE A.
    Foods
San, Hind., Hibiscus cannabinus, Linn., MALVACEÆ.
    Foods
Sanaisan, N. India, Crotalaria juncea, Linn., LEGUMINOS E.
    Foods
Sanalinga, Tel., Cinnamomum zeylanicum, Breyn., LAURINE M.
    Foods
Sanchi, Beng., Brassica campestris, Linn., var. campestris proper,
    CRUCIFERÆ. Foods
Sandal Wood, False, Eng., Ximenia americana, Willd., OLACINER.
    Foods
Sandan, Hind., Ougeinia dalbergioides, Benth., LEGUMINOS.E.
    Foods
Sandari, Uriya, Cassia Fistula, Linn., LEGUMINOSÆ.
    Foods
San hemp, Eng., Crotalaria juncea, Linn., LEGUMINOSÆ.
    Foods
Sani, N. India, Crotalaria juncea, Linn., LEGUMINOSÆ.
    Foods
Sanni-nayan, Cingh., Vernonia anthelmintica, Willd., COMPOSITE.
    Foods
Sanjit, Afg., Elæagnus hortensis, M. Beib., ELÆAGNEÆ.
    Foods
Sanjna, Hind., Moringa pterygosperma, Gærtn., MORINGE Æ.
    Foods
Sankokla, Dec., Hind., Hibiscus cannabinus, Linn., MALVACE A.
Sankroo, Hind., Coix lachryma, Linn., GRAMINEÆ.
    Foods
Sanuagalu, Hind., Cicer arietinum, Linn., LEGUMINOS.E.
    Foods
Sansaru, Pb., Boehmeria salicine, D. Don., URTICACE E.
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Sante káyi, Kan., Cucumis sativus, Linn., Cucurbitace R. Foods

Santra, Pb., Citrus Aurantium, Linn., RUTACE E. Foods

Sanwan, N.-W. P. & Oudh, Panicum frumentaceum, Roxb., GRAMINE E. Foods

Saori, Berar, Sesbania ægyptiaca, Pers., LEGUMINOSÆ. Foods .

Saphari kumhra, N.-W. P., Cucurbita moschata, Duchesne, Cucurbitace E. Foods

Saphijirik, Lepcha, Toddalia aculeata, Pers., RUTACE E. Foods

Saphyi, Lepcha, Pyrularia edulis, A. DC., SANTALACE E. Foods

Sara, Hind., Beng., Saccharum Sara, Roxb., GRAMINE R. Foods.

Sarap, Afg., Taxus baccata, Linn., Coniferæ. Foods

Sara-ponna, Tel., Ochrocarpus longifolius, Benth. & Hook., GUTTIFERE.

Sarpat, Hind., Saccharum Sara, Roxb., GRAMINE.E. Foods

Sarpát, Raj., Saccharum procerum, Roxb., GRAMINE.K.

Saras, Ajmir, Grewia salvifolia, Heyne, TILIACE E. Foods

Sarei, C. P., Shorea robusta, Gartn., DIPTEROCARPEÆ. Foods

Saripha, Hind., Anona squamosa, Linn., ANONACE E. Foods

Sarkar, Hind., Saccharum Sara, Roxb., GRAMINE E. Foods .

Sarmul, Pb., Astragalus multiceps, Wall., LEGUMINOSÆ. Foods

Sarota, Pb., Garuga pinnata, Roxb., Burserace z. Foods

Sarshap, Sans., Brassica nigra, Koch., CRUCIFER.E. Foods

Sarshapa, Sans., Brassica campestris, Linn., var. campestris proper. CRUCIFERÆ. Foods

Sarshoti, Hind., Antidesma diandrum, Tulasne, Euphorbiace Æ. Foods

Sarson, Eng., Brassica campestris, Linn., var. campestris proper, CRUCIFERE. Foods

Sarson, Hind., Brassica campestris, Linn., var. Napus, sub-var. glauca, CRUCIFERE. Foods

Sarson, Hind., Brassica juneea, H. f. & T. T., CRUCIFERÆ. Foods

Sarson-gohna, Hind., Brassica juncea, H. f. & T. T., CRUCIFERÆ. Foods

Sarson, Kali, Hind., Beng., Brassica campestris, Linn., var. campe tris proper, CRUCIFERÆ. Foods

Sarson-zard, Hind., Brassica campestris, Linn., var. Napus, sub-var. glauca, CRUCIFERÆ. Foods

Sarsoo, Raj., Brassica campestris, var. campestris proper, CRUCIFERÆ. Foods

Sarul, Kan., Bauhinea purpurea, Linn., LEGUMINOSÆ. Foods

Sarunga, Pb., Phytolacca acinosa, Roxb., VERBENACEÆ. Foods

Sarwak, N.-W. P., Panicum colonum, Linn., GRAMINEÆ. Foods

Foods
Sasam, Arab., Dalbergia Sissoo, Roxb., LEGUMINOS.E.

Foods Sasem, Arab., Dalbergia Sissoo, Roxb., Leguminosz., Sasem, Arab., Dalbergia Sissoo, Roxb., Leguminosz.

Foods . Satoo, Dec., Hordeum vulgare, Lina., GRAMINE M.

Satpatiya, Bundelkhand, Luffa acutangula, Roxb., CUCURBITACER. Foods

Suaj, Pb., Quercus semicarpifolia, Smith, CUPULIFERE. Foods

Saulkuri, Ass., Elæocarpus Varunua, Ham., TILIACER. Foods

Saundad, Dec., Prosopis spicigera, Linn., LEGUMINOS.E. Foods

Saunf, Hind., Forniculum vulgare, Gartn., UMBELLIFERE. Foods .

Sáva, Deccan, Panicum miliaceum, Linn., GRAMINEÆ. Foods .

Sawa, Tel., Panicum frumentaceum, Roxb., GRAMINEÆ. Foods .

Sawál, Pb., Potamogeton crispus, Linn., NIADACEÆ. Foods .

Sawali, Pb., Alnus nitada, Endl., CUPULIFERÆ. Foods

Sawan, N.-W. P. & Oudh, Panicum frumentaceum, Roxb., GRAMINEÆ. Foods

Sawan-bhadeha, N.-W. P. & Oudh, Panicum frumentaceum, Roxb.,
GRAMINEE. Foods.

Sawan-chaitwa, N.-W. P., Panicum miliaceum, Linn., GRAMINEÆ. Foods .

Sawan-jethwa, N.-W. P., Panicum miliaceum, Linn., GRAMINEÆ. Foods .

Sawank, Jangli, N.-W.-P., Panicum colonum, Linn., GRAMINER. Foods

Schap, Lepcha, Phoenix acaulis, Roxb., PALMÆ. Foods

Schiap, Lepcha, Phœnix rupicola, T. And., PALME. Foods

Scratch-coco, Eng., Colocasia antiquorum, Schott., Aroide A. Foods

Screw Bean, Eng., Prosopis pubescens, Bth., LEGUMINOSE. Foods

Screw Mesquit, Eng., Prosopis pubescens, Bth., LEGUMINOS.E. Foods

Sebestens, Eng., Cordia Myxa, Linn., BORAGINEÆ. Foods .

Segapu, Tam., Canavalia ensiformis, DC., LEGUMINOSÆ. Foods

Segapu, Tam., Psidium Guyava, Raddi., MYRTACE A.

Foods .

Segapumunthari, Tam., Bauhinia variegata, Linn., Leguminos E.

Foods .

Segata, Bom., Moringa pterygosperma, Gærtn., MORINGEÆ.

Segava, Bom., Moringa pterygosperma, Gærtn., Moringeæ. Foods

Sehur, Sind, Rhazya stricta, Dene., APOCYNACE E. Foods

Sein, Hind., Terminalia tomentosa, W. & A., COMBRETACE.E. Foods

Seindi, Berar, Phœnix sylvestris, Roxb., PALME. Foods

Sempangana, Tam., Michelia Champaca, Linn., MAGNOLIACE.R. Foods

Semru, Gus., Prosopis spicigera, Linu., LEGUMINOS.E. Foods

Semul, Hind., Beng., Bombax malabaricum, DC., MALVACER.

Semur, Hind., Beng., Bombax malabaricum, DC., MALVACEÆ. Foods

Senapa, It., Brassica nigra, Koch., CRUCIFERE.

Send, Bundelkhand, Apuda aristata, Linn., GRAMINER. Foods

Sendh, C. P., Phoenix acaulis, Ross., PALMES. Foods

Sendurgam, Tam., Carthamus tinctorius, Linn., Composita.

Sengeni, Kan., Vitex leucoxylon, Linn., VERBENACER.
Foods

Senibal, Hind., Eriodendron anfractuosum, MALVACE E. Foods

Seo, Hind., Pb., Pyrus Malus, Linn., Rosacez.

Serang, Ass., Castanopis indica, A. DC., CUPALIFERE.

Serdi, Bom., Gus., Saccharum officinarum, Linz., Gramine.R. Foods

Seregad, Tel., Ehretia lævis, Roxb., BORAGINEÆ. Foods Serei, Afg., Quercus Ilex, Linn., CUPULIFERÆ.

Foods
Serraya, Mal., Ochrocarpus longifolius, Benth. & Hook., GUTTIFERE.
Foods

Sesame Oil, Eng., Sesamum indicum, Linn., PEDALINE.E.

Sesamol, Ger., Sesamum indicum, Linn., PEDALINE E.

Serson, Hind., Brassica campestris, Linn., var. campestris proper, CRUCIFERE. Foods

Sessal, Mar., Zanthoxylum Rhetsa, DC., RUTACRE.

Seufsamen, Ger., Brassica nigra, Koch., CRUCIFERE.

Seva, Kan., Pyrus Malus, Linn., ROSACEE.

Sewur, Sind, Rhazya stricta, Done., APOCYNACE E. Foods

Sha, Burm., Acacia Catechu, Willd., LEGUMINOSÆ. Foods

Shabjee, Burm., Phyllanthus Emblica, Linn., Euphorbiace R. Foods

Shaddock, Eng., Citrus decumana, Willd., RUTACE.E.

Sháfri, Pb., Syringa Emodi, Wall., OLEACER.
Foods

Shaftal, Pb., Trifolium repens, Linn, Leguminos. Foods

Shaft álu, Pb., Prunus communis, Huds., var. domestica, Rosace.e. Foods Shagali, Pb., Indigofera Dosua, Ham., LEGUMINOSÆ. Foods Shah-sufiam, Pers., Mentha viridis, Linn., LABIATÆ. Shahtut, Kumaun, Morus indica, Linn., URTICAGE A. Foods Shaing, Tam., Semecarpus Anacardium, Linn., ANACARDIACE.E. Foods Shajratur-rumman, Arab., Punica Granatum, Linna Lythrace A. Foods Shakarkand, Hind., Beng., Ipomæa Batatas, Lamk., Convolvulace. E. Foods Shaka tunga, Tel., Cyperus rotundus, Linn., Cyperace E. Foods Shakei, Pb., Boehmeria salicifolia, D. Don., URTICACEÆ. Foods Shákpad, Him. name, Betula Bhojpattra, Wall., CUPULIFERÆ. Foods Shaktekas, Pb., Ribes nigrum, Linn., SAXIFRAGACE E. Foods Shakul, Nep., Cycas pectinata, Griff., CYCADACER. Shalakat kathi, Pb., Myricaria germanica, Desv., TAMARISCINE A. Foods Shalgam, Hind., Beng., Brassica alba, H. f. & T. T., var. Rapa, CRUCIPERAL Foods Shallet, Eng., Allium ascalonicum, Linn., Liliace E. Foods Shallot (Stewart), Allium ascalonicum, Linn., LILIACE A. Shaluk, Beng., Nymphœa Lotus, Linn., NYMPHŒACEÆ. Foods Shama, Beng., Panicum colonum, Linn., GRAMINEÆ. Foods See Panicum frumentaceum, Roxb., GRAMINE E. Shama. Fooás Shamak, N.-W. P., C. P., Panicum colonum, Linn., GRAMINE E. Foods Shamaloo (the seed), Tel., Panicum frumentaceum, Roxb., GRAMINE A. Foods Shamay, Eng., Panicum miliare, Lamb., GRAMINE E. Foods Shami, Beng., Prosopis spicigera, Linn., LEGUMINOS A. Foods Shamoola, Eng., Panicum frumentaceum, Roxb., GRAMINE E. Foods Shamrock of Ireland, Eng., Trifolium repens, Linn., LEGUMINOS &. Foods Shamukei, Pb., Taraxacum officinale, Wigg., Compositæ. Foods Shandai-gul, Pb., Tulipa stellata, Hook., LILIACE A. Foods Shang, Afg., Fraxinus xanthoxyloides, Wall., OLEACE E. Foods

Shangal, Pb., Fraxinus xanthoxyloides, Wall., OLEACER.

Shánjan, Oudh, Ougeinia dalbergioides, Benth., LEGUMINOSÆ.

Shangala, Pb., Ilex dipyrena, Wall., ILICINEÆ.

Foods

Foods

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Shankeshvara, Bom., Xanthium strumarium, Linn., Compositz. Foods .
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Shanku, N. Pb. & Ladak, Dracocephalum heterophyllum, Benth., LABIATÆ. Foods

Sharab-kikar, Dec., Acacia leucophlesa, Willd., Leguminos. E. Foods

Sharlan, *Him. name*, Bombax malabaricum, *DC.*, Malvace.E. Foods

Shawali, Pb., Rosa Webbiana, Wall., Rosace A. Foods

Shawep-ha-yung, Burm., Cucurbita maxima, Duchesne, Cucurbitace A. Foods

She-eer, Arab., Hordeum vulgare, Linn., GRAMINE A. Foods

Shegul, Pb., Pyrus Pashia, Ham., ROSACEÆ. Foods .

Shembal, Hind., Beng., Bombax malabaricum, DC., MALVACE.E. Foods

Shepe, Kan., Psidium Guyava, Raddi., MYRTACE E. Foods .

Shepkyew, Lepcha, Eleocarpus lanceæfolius, Roxb., Tiliace. Foods .

Sherawane, Trans-Indus, Celastrus senegalensis, Lam., Celastrine A. Foods

Sherawane, Pb., Flacourtia sepiaria, Roxb., BIXINEÆ. Foods .

Shervoo, Tel., Hemarthria compressa, R. Br., GRAMINE E. Foods

Sheti-putsa, Cingh., Citrullus Colocynthis, Schrad., Cucurbitace E. Foods

Shewa, Afg., Pyrus Malus, Linn., ROSACEÆ. Foods

Shewan, Mar., Gmelina arborea, Roxb., VERBENACEÆ. Foods

Shewar, Dec., Sesbania segyptiaca, Pers., Leguminos Æ. Foods

Shewney, Kan., Gmelina arborea, Roxb., VERBENACEÆ. Foods

Shika, Bom., Dec., Tam., Acacia concinna, DC., Leguminos. Foods

Shilandi, Tam., Cyperus bulbosus, Vahl., Cyperace. Foods

Shili, Pb., Eremurus spectabilis, Bieb., LILIACE. Foods

Shilli, Pb., Fraxinus xanthoxyloides, Wall., OLEACE R. Foods

Shilling, Kumaun, Osmanthus fragrans, Lour., OLEACEÆ. Foods

Shim, Beng., Dolichos Lablab, Linn., LEGUMINOSÆ. Foods

Shimai-sapu, Tel., Carum Carui, Linn., UMBELLIFERÆ. Foods

Shimai-shombu, Tam., Carum Carui, Linn., UMBELLIFER.E. Foods

Shimarra, N.-W. P., Cassia Fistula, Linn., LEGUMINOS.E. Foods

Shimbi, Sans., Dolichos Lablab, Linn., LEGUMINOSÆ.

Shimbu, Tam., Michelia Champaca, Linn., MANGOLIACEÆ. Foods

Shimli, Kan., Odina Wodier, Roxb., ANACARDIACE E. Foods

Foods

CRUCIFERÆ. Foods

Shim, Makham, Beng., Canavalia ensiformis, DC., LEGUMINOS.E. Foods Shinduga, Tel., Albizzia odoratissima, Benth., LEGUMINOS.E. Foods Shioli, Uriya, Bauhinia Vahlii, W. & A., LEGUMINOSE. Foods Shipur-gadi, Tel., Aristida setacea, Reis., GRAMINEE. Foods Shirán, Pb., Prunus armeniaca, Linn., Rosace E. Foods Shirsha, Pb., Albizzia stipulata, Boivin, Leguminosa. Foods Shisham, Hind., Pb., Dalbergia Sissoo, Roxb., LEGUMINOS.E. Foods Shiúlik, N.-W. P., Elæagnus hortensis, M. Beib., ELÆAGNEÆ. Foods Sholar, Pb., Physochlaina præalta, Hook. f., SQLANACE Z. Foods Sholri, Pb., Salvia Moorcoftiana, Wall., LABIATA. Foods Shot, Indian, Eng., Canna indica, Linn., Scitamine E. Foods Shotul, Pb., Trifolium repens, Linn., LEGUMINOSA. Shour, Ladak, Potentilla salessovii, Steph., ROSACE R. Foods Shriphula, Beng., Ægle Marmelos, Correa., RUTACE E. Foods Shrol, Pb., Alnus nitada, Endl., CUPULIFERE. Foods Shta, Pb., Morus serrata, Roxb., URTICACEA. Foods Shu, Pb., Pyrus Malus, Linn., Rosace A. Foods Shuftalu, Pers., Prunus persica, Benth. & Hook., ROSACE A. Foods Shukni, Lepcha, Dillenia pentagyna, Roxb., DILLENIACE A. Foods Shukpa, Him. name, Juniperus excelsa, M. Bieb.; Contferæ. Foods Shukri, Beng., Grewia asiatica, Linn., TILIACER. Foods Shunkhim, Sans., Chrysopogon acicularis, Rets., GRAMINE ... Foods Shur, Beng., Hind., Saccharum Sara, Ronb., GRAMINE.A. Foods Shura, Tel. & Sans., Saccharum Sara, Roxb., GRAMINER. Foods Shurbuta, Him. name, Juniperus excelsa, M. Bieb., CONIFERE. Foods Shurli, Him. name, Corylus Colurna, Linn., CUPULIFERE. Shutarkhor, Pers., Alhagi maurorum, Desv., LEGUMINOSA. Shwan, Trans-Indus, Olea Cuspidata, Royle, OLEACER. Foods Shwet huli, Beng., Zeuxine sulcata, Lindl., ORCHIDEÆ.

Shwet-rai, Beng., Brassica campestris, Linn., var. Napus, sub-var, glauca,

Shwet-Simul, Beng., Eriodendron anfractuosum, DC., MALVACE E.

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Shyakul, Beng., Zizyphus (Enoplia, Mill., RHAMNE E.
    Foods
Shyamaka, Sans., Panicum frumentaceum, Roxb., GRAMINE E.
    Foods
Sia, Ladak, Spiti, Rosa Webbiana, Wall., ROSACE E.
    Foods
Siali, Pb., Dæmia extensa, R. Br., Asclepiade Æ.
    Foods
Siali, Hind., Pueraria tuberosa, DC., LEGUMINOSE.
    Foods
Sialu, Pb., Marlea begoniæfolia, Roxb., CORNACE E.
    Foods
Siaru, Pb., Bœhmeria salicifolia, D. Don., URTICACE E.
    Foods
Sibr, Arab., Pers., Aloe vera, Linn., LILIACER.
    Foods
Si-dalimbi, Kan., Punica Granatum, Linn., LYTHRACE E.
    Foods
Siddartha, Sans., Eruca sativa, Lam., CRUCIFERÆ.
    Foods
Siddhartha, Sans., Brassica alba, H. f. & T. T., CRUCIFERÆ.
    Foods
Sidhera, Pb., Euonymus fimbriatus, Wall., CELASTRINE E.
    Foods
Sigé, Kan., Acacia concinna, DC., Leguminosæ.
    Foods
Sikekai, Bom., Dec., Acacia concinna, DC., LEGUMINOSÆ.
    Foods
Siki, Pb., Euonymus fimbriatus, Wall., CELASTRINE E.
    Foods
Sil (seed), Pb., Amarantus Anardana, Hamilt., AMARANTACE E.
    Foods
Silang, Kumaun, Osmanthus fragrans, Lour., OLEACE E.
    Foods
Sili, Khasia, Cephalostaclyon capitatum, Munro, GRAMINEÆ.
    Foods
Silim, Lepcha, Terminalia Chebula, Rets., COMBRETACE.E.
    Foods
Silk, Vegetable, Eng., Agave americana, Linn., AMARYLLIDE ...
    Foods
     N.-W. P., Cassia Fistula, Linn., LEGUMINOS E.
    Foods
Sim, Hind., Dolichos Lablab, Linn., LEGUMINOSÆ.
    Foods
Simal, Lepcha, Cedrela Toona, Roxb., MELIACEÆ.
    Foods
Simal, Hind., Eriodendron anfractuosum, DC., MALVACE E.
    Foods
Simati, Bom., Odina Wodier, Roxb., ANACARDIACE E.
   Foods
Simbal, Him. name, Bombax malabaricum, DC., MALVACER.
    Foods
Sime hunase, Kan., Pithecolobium dulce, Benth., LEGUMINOS.A.
    Foods
Simli, Hind., Zizyphus vulgaris, Lamk., RHAMNEÆ.
    Foods
Simlú, Pb., Berberis aristata, DC., and B. Lycium, Royle, BERBERIDE E.
    Foods
Sin, Pb., Withania somnifera, Don., SOLANACEÆ.
    Foods
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Sinakadang, Lepcha, Aglaia edulis, A. Gray, MELIACEÆ.

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Sindan, N.-W. P., Odina Wodier, Roxb., ANACARDIACE E.
Singhani, Nep., Arundinaria Hookeriana, Munro, GRAMINE A.
     Foods
Singhara, Hind., Trapa bispinosa, Roxb., ONAGRACE A.
    Foods
Singka, Bhutia, Pyrus vestita, Wall., ROSACEÆ.
     Foods
Singodi, Gus., Trapa bispinosa, Roxb., ONAGRACE E.
Singtok, Bhutia, Morus cuspidata, Wall., URTICACE A.
     Foods
Sinji, Pb., Melilotus parviflora, Desf., LEGUMINOSÆ.
     Foods
Sinjli, Hind., Zizyphus vulgaris, Lamk., RHAMNEÆ.
    Foods
Sin-tha-hpan, Burm., Ficus Roxburghii, Wall., URTICACE A.
     Foods
Sipil, Pb., Bupleurum falcatum, Linn., var. marginata, Wall.,
    UMBELLIFERA, Foods
Sir, Pers., Allium sativum, Linn., LILIACE E.
    Foods
Siragam, Tam., Cuminum Cyminum, Linn., UMBELLIFERÆ.
    Foods
Sirai, Hind., Albizzia Lebbek, Benth., LEGUMINOSÆ.
    Foods
Siran, Hind., Albizzia stipulata, Boivin., LEGUMINOSÆ.
    Foods
Siras, Hind., Albizzia Lebbek, Benth., LEGUMINOSÆ.
    Foods
Siras, Bom., Albizzia odoratissima, Benth., LEGUMINOSÆ.
    Foods
Sir-hutungchir, Lepcha, Sapindus attenuatus, Wall., SAPINDACE E.
    Foods
Sirikishu, Lepcha, Castanopsis rufescens, Hook. f. & Th., CUPULIFERE.
    Foods
Sirikone, Tam., Cassia Fistula, Linn., LEGUMINOS R.
    Foods
Sirin, Hind., Albizzia Lebbek, Benth., LEGUMINOSÆ.
    Foods
Siris, Hind., Albizzia odoratissima, Benth., LEGUMINOSÆ.
    Foods
Siris, Hind., Beng., Albizzia Lebbek, Benth., LEGUMINOS.E.
    Foods
Sirisha, Beng., Albizzia Lebbek, Benth., LEGUMINOSÆ.
    Foods
Sirma, North Pb., Ladak to Lahoul, Hippophæ rhamnoides, Linn.,
    ELÆAGNEÆ. Foods
Sirola, Bom., Luffa acutangula, Roxb., CUCURBITACE E.
    Foods
Sirragha, Tam., Aloe vera, Linn., var. officinalis, sp. Forsk., LILIACE E.
Sirshaf, Pers., Brassica nigra, Koch., CRUCIFERE.
    Foods
Sirshing, Tibet, Elæagnus hortensis, M. Beib., ELÆAGNEÆ.
    Foods
Sir sil, Upper Ind., Imperata arundinacea, Cyrill, GRAMINE E.
    Foods
Sissai, Hind., Oudh, Dalbergia Sissoo, Roxb., LEGUMINOSÆ.
    Foods
Sissoo, Eng., Dalbergia Sissoo, Roxb., Leguminos. E.
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Sissu, Tel., Hind., Dalbergia Sissoo, Roxb., LEGUMINOS.E.
    Foods
Sita, Tam., Anona squamosa, Linn., Anonace E.
    Foods
Sitaber, Hind., Zizyphus xylopyra, Will., RHAMNE E.
    Foods
Sitaphal, Hind., Gus., Anona squamosa, Linn., ANONACE E.
    Foods
Sitaphal, N.-W. P., Cucurbita moschata, Duchesne, Cucurbitace E.
    Foods
Sivappu-kashuruk-kai, Tam., Hibiscus Sabdariffa, Linn., MALVACE E.
    Foods
Skinnung, Pb., Equisetum debile, Roxb., Equisetace E.
    Foods
Snake-gourd, Eng., Trichosanthes anguina, Linn., CUCURBITACE E.
    Foods
Soa, Pb., Morus serrata, Roxb., URTICACEÆ.
    Foods
Soanjna, Hind., Moringa pterygosperma, Gærtn., MORINGE E.
    Foods
Sohikire, Tam., Foeniculum vulgare, Gærtn., UMBELLIFERÆ.
    Foods
Solára, Pb., Andropogon laniger, Desf., GRAMINE Æ.
    Foods
Somr, Hind., Beng., Bombax malabaricum, DC., MALVACE E.
    Foods
Somraj, Beng., Vernonia anthelmintica, Willd., COMPOSITÆ.
    Foods
Sonalú, Garo, Cassia Fistula, Linn., LEGUMINOSÆ.
    Foods
Sonchal, Pb. & Sind, Malva parviflora, Linn., MALVACE E.
    Foods
Sonta, N.-W. P. & Oudh, Vigna Catiang, Endl., LEGUMINOS E.
    Foods
Soomuna, Sans., Triticum sativum, Lam., GRAMINEÆ.
    Foods
Soopwotnway, Burm., Acacia concinna, DC., LEGUMINOSÆ.
    Foods
Sophee, Eng., Myrica integrifolia, Roxb., MYRICACE E.
    Foods
Sopho, Khasia, Docynia indica, Done., ROSACEÆ.
    Foods
Sop, Sweet, Eng., Anona squamosa, Linn., ANONACE Æ.
    Foods
Sorakaya, Tel., Lagenaria vulgaris, Seringe, Cucurbitace A.
    Foods
Soriai-kai, Tam., Lagenaria vulgaris, Seringe, Cucurbitace E.
    Foods
Sorrel, Eng., Rumex vesicarius, Linn., POLYGONACE A.
    Foods
Sour Gourd, or Monkey Bread Tree of Africa, Eng., Adansonia digitata,
    Linn., MALVACEÆ. Foods
Sowa, Eng., Hind., Peucedanum graveolens, Benth., UMBELLIFERÆ.
    Foods
Soy Bean, Eng., Glycine Soja, Sieb. & Zucc., LEGUMINOS.E.
    Foods
Spang-jho, Pb., Potentilla fruticosa, Linn., ROSACEÆ.
Spear Grass, Eng., Heteropogon contortus, R. & S., GRAMINEÆ.
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Foods

Spearmint, Eng., Mentha viridis, Linn., LABIATÆ.

Foods

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Spinsch, Country, Eng., Beta vulgaris, Moq., CHENOPODIACEE.
Spinach, Indian, Eng., Basella alba, L., CHENOPODIACE Z.
    Foods
Spin-bajja, Pb., Withania coagulans, Dun., Solanace A.
    Foods
Spindle Tree, Eng., Euonymus fimbriatus, Wall., CELASTRINE E.
    Foods
Spin-khalak, Pb., Aristida depressa, Rets., GRAMINEÆ.
Spin-wege, Pb., Aristida depressa, Rets., GRAMINER.
    Foods
Spitzkiette, Ger., Xanthium strumarium, Linn., Compositæ.
    Foods
Spun, Him. name, Abies Webbiana, Lindl., Conifera.
    Foods
Spun, Pb., Picea Webbiana, Lamb., CONIFERE.
Spurpepper, Eng., Capsicum frutescens, Linn., Solanace E.
    Foods
Squash Gourd, Eng., Cucurbita maxima, Duchesne, Cucurbitace R.
    Foods
Sringata, Sans., Trapa bispinosa, Roxb., ONAGRACE E.
    Foods
Sriphal, Sans., Ægle Marmelos, Correa., RUTACEÆ.
    Foods
Star Anise of China and Japan, Eng., Illicium anisatum, Linn.,
    MAGNOLIACEÆ.
                   Foods
Star Apple, Eng., Chrysophyllum Roxburghii, G. Don., SAPOTACE.E.
    Foods
Stin, Pb., Rubus lasiocarpus, Smith, ROSACE Æ.
    Foods
St. John's Bean, Eng., Ceratonia siliqua, L., LEGUMINOSÆ.
Strawberry, Eng., Fragaria vesca, Linn., ROSACE E.
    Foods
Strawberry, Indian, Eng., Fragaria indica, Andr., ROSACE E.
Suadoo-kuntuka, Sans., Flacourtia Ramontchi, L'Herit., BIXINE A.
    Foods
Suchal, Pb., Cichorium Intybus, Linn., COMPOSITE.
    Foods
Sufed-pai, Sylhet, Elæocarpus lanceæfolius, Roxb., TILIACE E.
    Foods
Suffed-shorshi, Beng., Eruca sativa, Lam., CRUCIFERE.
Sufok-ji, Lepcha, Rubus moluccanus, Linn., ROSACEÆ.
    Foods
Sugarcane, Eng., Saccharum officinarum, Linn., GRAMINE A.
    Foods
Sugarcane, Chinese, Eng., Sorghum saccharatum, Pers., GRAMINE M.
    Foods
Suiminta, Tel., Sesbania ægyptiaca, Pers., LEGUMINOSÆ.
    Foods
Sujana, Beng., Moringa pterygosperma, Gærtn., MORINGEÆ.
    Foods
Sukasa, Sans., Cucumis sativus, Linn., CUCURBITACE A.
    Foods
Sullea, Khasia, Cephalostaclyon capitatum, Munro, GRAMINE E.
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Sulpha, Beng., Peucedanum graveolens, Benth., UMBELLIFERÆ.

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Súmlú, Pb., Berberis aristata, DC., and B. Lycium, Royle, BERBERIDE E.
    Foods
Sunagalu, Tel., Cicer arietinum, Linn., LEGUMINOSÆ.
    Foods
Sunaru, Ass., Cassia Fistula, Linn., LEGUMINOSÆ.
    Foods
Sundali, Beng., Cassia Fistula, Linn., LEGUMINOSA.
Sungtu, Pb., Xanthium strumarium, Linn., COMPOSITÆ.
    Foods
Sungung rik, Lepcha, Bauhinia Vahlii, W. & A., Leguminos E. Foods .
Suni, Dec., Hind., Hibiscus cannabinus, Linn., MALVACE E.
    Foods
Sunkeint, Pb. Hills, Pyrus communis, Linn., ROSACEÆ.
Suntala, Nep., Citrus Aurantium, Linn., RUTACER.
    Foods
Sunwar, Hind., Rhazya stricta, Done., APOCYNACE E.
    Foods
Supáré, Hind., Beng., Areca Catechu, Linn., PALMÆ.
    Foods
Supra, Pb. & Sind, Malva parviflora, Linn., MALVACE E.
    Foods
Supta, Hind., Flemingia nana,
                                    LEGUMINOSÆ.
    Foods
Suraka, Pb., Atriplex hortensis, L. and A. laciniata, L., CHENOPODIACE B.
    Foods
Suran, C.P., Zizphus rugosa, Lamk., RHAMNEÆ.
Suranji, A trade name, Morinda citrifolia, Linn., RUBIACE E.
    Foods
Surari, Pb., Heteropogon contortus, R. & S., GRAMINE E.
    Foods
Surbo-jaya, Beng., Canna indica, Linn., SCITAMINE E.
    Foods
Surchi, Pb., Oxalis corniculata, Linn., GERANIACE E.
    Foods
Suriala, Pb., Heteropogon contortus, R. & S., GRAMINE E.
    Foods
Surshi, Beng., Brassica campestris, Linn., var. campestris proper,
    CRUCIFERÆ. Foods
Sursi, Hind., Beng., Brassica campestris, Linn., var. campestris proper,
    CRUCIFERAL Foods
Suringi, Mar., Ochrocarpus longifolius, Benth. & Hook., GUTTIFERE.
    Foods
Susuvi, Sans., Momordica Charantia, Linn., CUCURBITACE E.
    Foods
Suvyrnak, Sans., Cassia Fistula, Linn., LEGUMINOSÆ.
    Foods
Sweet-sabuni, Hind., Trianthema monogyna, Linn., FICOIDE E.
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Foods

LEGUMINOSÆ. Foods

Syalita, Mal., Dillenia indica, Linn., DILLENIACE E.

Syansundari, N.-W. P. & Oudh, Cyamopsis psoralioides, DC.,

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Tacamhac, Eng., Populus balsamifera, Linn., Salicinea. Foods
Tad, Gus., Borassus flabelliformis, Linn., Palma.

Foods

Tagarisha chettu, Tel., Cassia Tora, Linn., LEGUMINOS.E. Foods

Tagashing, Bhutia, Juglans regia, Linn., JUGLANDER. Foods .

Tag hemp, Eng., Crotalaria juncea, Linn., LEGUMINOS.E. Foods.

Tagho, Afg., Celtis australis, Linn., URTICACEÆ. Foods

Tagumudu, Tel., Gmelina arborea, Roxb., VERBENACER. Foods

Tailo, Cachar, Castanopsis indica, A. DC., CUPULIFERE. Foods

Taki, Nep., Bauhinia variegata, Linn., Leguminos.e.
Foods

Takli, Kurru., Sterculia urens, Roxb., STERCULIACEÆ. Foods

Takpa, Him. name, Betula Bhojpattra, Wall., CUPULIFERE. Foods .

Takri, Pb., Panicum sanguinale, Linn., GRAMINEÆ. Foods .

Taksor, Lepcha, Terminalia tomentosa, W. & A., COMBRETACE.E. Foods

Tál, Hind., Beng., Borassus flabelliformis, Linn., PALMÆ. Foods

Tala, Cingh., Corypha umbraculifera, Linn., PALME. Foods .

Tála, Hind., Borassus flabelliformis, Linn., PALME. Foods

Talbau, Tel., Sterculia urens, Roxb., STERCULIACER.

Tali. Pb., Dalbergia Sissoo, Roxb., LEGUMINOS... Foods

Talkar, Pb., Celastrus senegalensis, Lam., Celastriner. Foods

Talia, Tel., Sorghum vulgare, Pers., GRAMINEE.

Talum, Tam., Pandanus odoratissimus, Willd., PANDANEÆ. Foods

Tama, Ladak, Caragana pygmæa, DC., Leguminosæ. Foods

Tama, Nep., Dendrocalamus Hamiltonii, Nees & Arn., GRAMINE.E. Foods .

Tam-a-kha, Burm., Melia Azedarach, Linn., Meliace.k. Foods

Tamálá, Bom., Cinnamomum Tamala, Nees., LAURINE E. Foods

Tamal-pakoo, Tel., Piper Betle, Linn., PIPERACE E. Foods

Tamarind, Eng., Tamarindus indica, Linn., LEGUMINOS.E.
Foods

Tamarinds, Madras. See Prosopis dulcis, Leguminos. Foods

Tamarinds, Manilla, Eng., Pithecolobium dulce, Benth., LEGUMINOS.E. Foods

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Tamarta, Tam., Averrhoa Carambola, Linn., GERANIACE E.
    Foods
Tamati, Beng., Hind., Lycopersicum esculentum, Miller, Solanace R.
    Foods
Támbula, Sans., Piper Betle, Linn., PIPERACEÆ.
    Foods
Tamidalu, Tel., Eleusine corocana, Gærtn., GRAMINEÆ.
    Foods
Tamu, Burm., Sonneratia acida, Linn., LYTHRACE E.
    Foods
Tan, Chin., Oryza sativa, Linn., GRAMINEÆ.
    Foods
Tandala, Pb., Digera arvensis, Forsk., AMARANTACEÆ.
    Foods
Tandei, Pb., Viburnum fœtens, Decaisne, CAPRIFOLIACEÆ.
    Foods
Tandi, Tel., Terminalia belerica, Roxb., COMBRETACEÆ.
    Foods
Tang, Pb., Pirus Pashia, Ham., ROSACER.
    Foods
Tang, Pb. Hills, Pyrus communis, Linn., ROSACE A.
    Foods
Tangan, N.-W. P. & Oudh, Setaria italica, Kunth., GRAMINE A.
    Foods
Tani, Tam., Terminalia belerica, Roxb., COMBRETACER.
    Foods
Tani, Tel., Terminalia belerica, Roxb., COMBRETACEÆ.
    Foods
Tankalá, Bom., Cassia Tora, Linn., Leguminosæ.
    Foods
Tanoung, Burm., Acacia leucophlæa, Willd., LEGUMINOSÆ.
    Foods
Tantai, Hind., Albizzia Lebbek, Benth., LEGUMINOSÆ.
    Foods
Tapioca, Eng., Manihot utilissima, Pohl., EUPHORBIACEÆ.
    Foods
Tapu, Burm., Sonaratia acida, Linn., LYTHRACE Æ.
    Foods
Tapuay, Burm., Marlea begoniæfolia, Roxb., CORNACEÆ.
    Foods
Tar, Pb., Dioscorea deltoides, Wall., DIOSCOREACE E.
    Foods
Tár, Hind., Borassus flabelliformis, Linn., PALMÆ.
    Foods
Tara, N.-W. P. & Oudh, Eruca sativa, Lam., CRUCIFERÆ.
    Foods
Tara, Pb., Eruca sativa, Lam., CRUCIFERÆ.
    Foods
Taramira, N.-W. P., Eruca sativa, Lam., CRUCIFERÆ.
    Foods
Tarbuza, N.-W. P., Citrullus vulgaris, Schrad., CUCURBITACE.R.
    Foods
Tardi, Pb., Dioscorea deltoides, Wall., DIOSCOREACE.E.
    Foods
Tare, Hairy, Eng., Vicia hirsuta, Koch., LEGUMINOSÆ.
    Foods
Tari, Beng., Hind., Phoenix sylvestris, Roxb., PALMÆ.
    Foods
Taro, Eng., Colocasia antiquorum, Schott., AROIDEÆ.
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Tarod, Kumaun, Luffa ægyptiaca, Miller, Hook. f., Cucurbitace A.

Foods

Tarota, Dec., Cassia Tora, Linn., LEGUMINOSE. Foods Tarru, North Pb., Ladak to Lakoul, Hippophæ rhamnoides, Linn., ELÆAGNEÆ. Foods Tartara, Pb., Digera arvensis, Forsk., AMARANTACE.E. Foods Taru, Kan., Terminalia Catappa, Linn., Combretace. Foods Taruka vepu, Tel., Melia Azedarach, Linn., MELIACEE. Foods Tasha, Burm., Phyllanthus Emblica, Linn., Euphorbiace. Tatri, Pb., Rhus semi-alata, Murray, ANACARDIACE ... Foods Tatua, Chenab, Prinsepia utilis, Royle, ROSACRÆ. Foods Tatwen, Ladak, Artemisia sacrorum, Ledeb., Composita. Foods Tau Maiyain, Burm., Indigofera pulchella, Rozb., LEGUMINOSÆ. Foods Taur, Pb., Bauhinia racemosa, Lam., LEGUMINOS.E. Foods Taushouk, Burm., Glycosmis pentaphylla, Correa., RUTACE E. Foods Tauzeenway, Burm., Zizyphus (Enoplia, Mill., RHAMNER. Foods Tawai, Pb., Fragaria vesca, Linn., Rosace A. Foods Tawal, Pb., Amarantus Anardana, Hamilt., AMARANTACEÆ. Foods Tay, Burm., Diospyros pyrrhocarpa, Miq., EBENACE.E. Foods Tea Plant, China, Eng., Camellia theifera, Griff., TERNSTRUMIACE E. Foods Teemoti, Beng., Hind., Lycopersicum esculentum, Miller, SOLANACE E. Foods Tehongtay, Lepcha, Ficus glomerata, Rozb., URTICACE.E. Foods Teila, Lahoul, Ribes Grossularia, Linn., SAXIFRAGACEÆ. Foods Tél, Beng., Sesamum indicum, Linn., PEDALINEA. Foods Tél, Krishna, Hind., Sesamum indicum, Linn., PEDALINE E. Foods Telhanj, Pb., Viburnum fœtens, Decaisne, CAPRIFOLIACE A. Tella, Tel., Ougeinia dalbergioides, Benth., LEGUMINOS.E. Foods Tella-chikurkai, Tel., Dolichos Lablab, Linns, LEGUMINOSA. Tella-gadda, Tel., Allium sativum, Linn., LILIACE E. Foods Tella-janular (the grain), Tel., Sorghum vulgare, Pers., GRAMINE E. Tella-kalwa, Tel., Nymphæa Lotus, Linn., NYMPHÆACEÆ, Foods Tellatuma, Tel., Acacia leucophlæa, Willd., LEGUMINOSÆ.

Tellay tumbetten kaza, Tel., Canavalia ensiformis, DC., LEGUMINOS.E.

Telus, Khandesh, Ougeinia dalbergioides, Benth., LEGUMINOS.E.

Foods

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Tendu, Hind., Diospyros melanoxylon, Roxb., EBENACEA.
Foods
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Tendus, N.-W. P., Citrullus vulgaris, Schrad., var. fistulosus, Cucurbitace E. Foods

Teng, Beng., Saccharum procerum, Roxb., GRAMINEÆ.
Foods

Tengina kayi, Kan., Cocos nucifera, Linn., PALMÆ. Foods

Tenna, Tam., Cocos nucifera, Linn., PALMA.
Foods

Tensi, N.-W. P., Citrullus vulgaris, Schrad., var. fistulosus, Cucurbitace ... Foods

Tenti, Pb., Capparis aphylla, Roth., CAPPARIDEÆ. Foods

Tepari, Hind., Physalis peruviana, Linn., SOLANACE.E. Foods

Tepoori, Beng., Physalis peruviana, Linn., SOLANACE E. Foods

Tetam-parel, Mal., Strychnos potatorum, Linn. f., LOGANIACE A.

Foods .

Tetrankottai, Tam., Strychnos potatorum, Linn. f., LOGANIACE.E.

Foods .

Teturi, Lepcha, Shorea robusta, Gærtn., DIPTEROCARPE.E. Foods

Tezpat, Beng., Cinnamomum obtusifolium, Nees, LAURINE.E. Eoods

Thab-gai-pyoo, Barm., Sizygium jambolanum, DC., MYRTACE.E. Foods

Thabyai-pyoo, Burm., Eugenia Jambolana, Lam., MYRTACEÆ. Foods

Thabyoo, Burm., Dillenia indica, Linn., DILLENIACE E. Foods

Thabyoo-thabyay, Burm., Eugenia malaccensis, Linn., MYRTACE.F., Foods

Thaila, Hind., Dec., Alangium Lamarckii, Thwaites, CORNACE.E.

Thainpuche, Tam., Guazuma tomentosa, Kunth., STERCULIACE.E. Foods .

Thakhriya, N.-W. P., Panicum sanguinale, Linn., var. ciliare, Rets. sp., Gramine E. Foods

Thakil, Hind., Phoenix sylvestris, Roxb., PALME. Foods

Thala, Mal., Pandanus odoratissimus, Willd., PANDANE E. Foods

Thalay, Tam., Pandanus odoratissimus, Willd., PANDANE.E.
Foods

Thalé, Burm., Punica Granatum, Linn., LYTHRACE E. Foods .

Thali, Nep., Turpinia pomifera, DC., SAPINDACEÆ. Foods .

Thamé, Burm., Avicennia officinalis, Linn., VERBENACEÆ.
Foods

Thamther, Salt Range, Grewia villosa, Willd., TILIACER.
Foods

Thana, Pb., Boehmeria salicefolia, D. Don., URTICACE.E.
Foods

Thanat, Burm., Cordia Myxa, Linn., BORAGINE R. Foods

Thanba-ya, Burm., Citrus medica, Linn., RUTACEÆ.

Thangi, Him. name, Corylus Colurna, Linn., CUPULIFERE. Foods

Foods

Thum, Pb., Sageretia theezans, Brongn., RHAMNER.

Thankya, Burm., Chrysophyllum Roxburghii, G. Don., SAPOTACEÆ. Foods Thapur, Pb. plains, Ficus virgata, Roxb., URTICACE R. Foods Thara, Uriya, Terminalia belerica, Rozb., COMBRETACE E. Foods Tharwar, Pb., Cornus capitata, Wall., CORNACE R. Foods Thaur, Hind., Bauhinia racemosa, Lam., LEGUMINOSÆ. Foods Thayet, Burm., Mangifera indica, Linn., ANACARDIACE E. Foods Thee-haya-za, Burm., Lemonia acidissima, Linn., RUTACE E. Foods Thee-noh thayet, Burm., Anacardium occidentale, Linn., ANACARDIACE R. Foods. Thenwian, Burm., Pongamia glabra, Vent., LEGUMINOSÆ. Theot, Simla, Indigofera Dosua, Ham., LEGUMINOSÆ. Foods Thesi, Pb., Cornus capitata, Wall., CORNACEÆ. Foods Thilkain, Pb., Viburnum fœtens, Decaisne, CAPRIFOLIACE E. Foods Thilkain, Pb., Viburnum nervosum, Don., CAPRIFOLIACE E. Foods Thimbaubhempu, Burm, Melia Azadirachta, Linn., MELIACEÆ. Thimbau-ta-ma-kha, Burm., Melia Azadirachta, Linn., Meliace E. Foods Thinboung, Burm., Phoenix acaulis, Roxb., PALMÆ. Foods Thin-bo-zi-pyoo, Burm., Phyllanthus distichus, Müll.-Arg., EUPHORBIACEÆ. Foods Thindar, Pb., Pyrus Pashia, Ham., ROSACEÆ. Foods Thistle, Eng., Carduus nutans, Linn., Compositæ. Foods Thistle, Milk, Eng., Sonchus oleraceus, Linn., Compositæ. Foods Thitkado, Burm., Cedrela Toona, Roxb., MELIACE E. Thitmagyi, Burm., Albizzia odoratissima, Benth., LEGUMINOSÆ. Foods Thitsein, Burm., Terminalia belerica, Roxb., Combretace E. Foods Thodapga-pulla, Tam., Aristida setacea, Rets., GRAMINEÆ. Foods Thor, N.-W. P. & Oudh, Cajanus indicus, Spreng., LEGUMINOSÆ. Foods Thorás, Kan., Butea frondosa, Roxb., LEGUMINOSÆ. Foods Thorn, Jerusalem, Eng., Parkinsonia aculeata, Linn., LEGUMINOSÆ. Foods Thosk, Gond., Saccopetalum tomentosum, Hook., Anonace A. Foods Thul-kurá, Beng., Hydrocotyle asiatica, Linn., UMBELLIFERÆ. Foods Thum, Pb., Fraxinus xanthoxyloides, Wall., OLEACEÆ.

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Thúner, N.-W. P., Taxus baccata, Linn., CONIFERE.
    Foods
Thunu, Kashmir, Taxus baccata, Linn., Coniferæ.
    Foods
Thur, N.-W. P. & Oudh, Cajanus indicus, Spreng., LEGUMINOSÆ.
    Foods
Thut, Pb., Salvia Moorcroftiana, Wall., LABIATÆ.
    Foods
Thya, Kan., Trigonella Fœnum-grœcum, Linn., Leguminosæ.
    Foods
Tia of the Chinese, Eng., Sageretia theezans, Brongn., RHAMNE E.
Ti (black variety), Naga Hills, Coix lachryma, Linn., GRAMINE E.
    Foods
Tiari, Pb., Solanum verbascifolium, Linn., SOLANACEÆ.
Tikhria, N.-W. P., Panicum sanguinale, Linn., var. ciliare, Rets. sp.,
    GRAMINEÆ, Foods
Tikhur, Hind., Curcuma angustifolia, Roxb., Scitamine E.
    Foods
Tikjik, Pb., Rosa macrophylla, Lindl., Rosace R.
    Foods
Tikul, Beng., Garcinia pedunculata, Roxb., GUTTIFERE.
    Foods
Tikur, Beng., Garcinia]pedunculata, Roxb., GUTTIFERE.
    Foods
Til, Raj., Deccan, Sesamumindicum, Linn., PEDALINEÆ.
    Foods
Tila, Hind., Wendlandia exserta, DC., RUBIACER.
    Foods
Tila, Sans., Sesamum indicum, Linn., PEDALINEÆ.
    Foods
Tili, Beng., Sesamum indicum, Linn., PEDALINE E.
    Foods
Tilki, Hind., Nep., Wendlandia exserta, DC., RUBIACE E.
    Foods
Tilluk, Hind., Saccharum fuscum, Roxb., GRAMINEÆ.
    Foods
Tilpatra, Pb., Marlea begoniæfolia, Roxb., CORNACEÆ.
    Foods
Tilpattar, Pb., Acer pictum, Thunb., SAPINDACE E.
    Foods
Timal, Hind., Ficus Roxburghii, Wall., URTICACE E.
    Foods
Timboree, Bom., Diospyros Embryopteris, Pers., EBENACE A.
    Foods
Timburnyok, Lepcha, Skimmia Laureola, Hook., RUTACE E.
    Foods
Timil, Nep., Marlea begoniæfolia, Roxb., CORNACE Æ.
    Foods
Timothy, Eng., Phleum pratense, Linn., GRAMINE E.
    Foods
Timsha, N.-W. P., Quercus dilatata, Lindl., CUPULIFERÆ.
    Foods
Tinani, Afg., Astragalus multiceps, Wall., LEGUMINOSÆ.
Tinda, Pb., Citrullus vulgaris, Schrad., var. fistulosus, Cucurbitace E.
    Foods
Tinda, Sind, Citrullus vulgaris, Schrad., var. fistulosus, Cucurbitace E.
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Tinduka, Sans., Diospyros Embryopteris, Pers., EBENACE E.

Foods

Tingi, Pb., Solanum coagulans, Forsk., Solanace E.
Foods
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Tinnas, Hind., Ougeinia dalbergioides, Benth., Leguminos E.

Foods .

Tintil, Beng., Tamarindus indica, Linn., LEGUMINOSÆ. Foods .

Tintre, Beng., Tamarindus indica, Linn., LEGUMINOSÆ. Foods .

Tintuli, Uriya, Tamarindus indica, Linn., Leguminosz. Foods

Tira, N.-W. P. & Oudh, Eruca sativa, Lam., CRUCIFERE. Foods

Tirunitrup-pattri, Tam., Ocimum Basilicum, Linn., LABIATA. Foods

Tiso, Pb., Carduus nutans, Linn., Compositæ.

Tita-bateri, Kashmir, Lonicera quinquelocularis, Hardwicke, CAPRIFOLIACEÆ. Foods .

Titri, Nep., Tamarindus indica, Linn., LEGUMINOSÆ. Foods .

Titri, Pb., Rhus semi-alata, Murray, ANACARDIACE. Foods

Titsappa, Ass., Michelia Champaca, Linn., Magnoliace E. Foods

Tiún, Pb., Artocarpus Lakoocha, Roxb., URTICACEÆ. Foods

Tiura, N.-W. P., Lathyrus sativus, Linn., Leguminosæ. Foods

Tiuri, N.-W. P., Lathyrus sativus, Linn., Leguminos. E. Foods

Tivara, Sind, Avicennia officinalis, Linn., Verbenace... Foods

Tizhu, Pb., Cicer soongaricum, Steph., LEGUMINOSÆ. Foods .

Todda-maram, Mal., Cycas Rumphii, Miq., CYCADACEÆ.
Foods

Toddalia, Eng., Toddalia aculeata, Pers., RUTACE E. Foods .

Toddy, Eng., Phoenix sylvestris, Roxb., PALMÆ.

Tœma-gerika, Tel., Sporobolus tenacissimus, Beauv., GRAMINEÆ. Foods

Togari, Kan., Cajanus indicus, Spreng., LEGUMINOS.E.
Foods .

Togri, Bhil., Indigofera pulchella, Roxb., Leguminosæ. Foods

Tomato, Eng., Lycopersicum esculentum, Miller, SOLANACER.
Foods .

Tomi tomi, Mal., Flacourtia inermis, Roxb., BIXINE E. Foods

Tondi teregam, Mal., Callicarpa lanata, Wall., VERBENACEÆ.
Foods

Tongrong, Garo, Spondias mangifera, Pers., ANACARDIACE A. Foods .

Toombe, Hind., Lagenaria vulgaris, Seringe, CUCURBITACE E. Foods

Toon, Eng., Cedrela Toona, Roxb., MELIACER.
Foods

Torabujja, Him. name, Adhatoda Vasica, Nees., ACANTHACER. Foods

Toran, Konkan, Zizyphus rugosa, Lamk., RHAMNEE. Foods .

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Tor-elaya, Tel., Lemonia acedissima, Linn., RUTACER.
    Foods
Tori, Hind., Brassica campestris, Linn., var. Napus, sub-var. toria,
    CRUCIFERA. Foods
Toriya, Hind., Brassica campestris, Linn., var. Napus, sub-var. toria,
    CRUCIFERÆ. Foods
Tornillo, Eng., Prosopis pubescens, Bth., LEGUMINOSA.
    Foods
Torooi, Hind., Luffa acutangula, Roxb., CUCURBITACE A.
    Foods
Tosa, Nep., Hordeum vulgare, Linn., GRAMINEÆ.
    Foods
Tosh, Him. name, Abies Webbiana, Lindl., CONIFERE.
    Foods
Totmila, Hind., Ficus hispida, Linn. f., URTICACER.
    Foods
Totnye, Nep., Polygonum molle, Don., Polygonace R.
    Foods
Toukkyan, Burm., Terminalia tomentosa, W. & A., Combretace E.
    Foods
Toukyap, Burm., Putranjiva Roxburghii, Wall., Euphorbiace R.
    Foods
Toung-ong, Burm., Arenga sacchrifera, Labill., PALMÆ.
    Foods
Tow Cok of China, Eng., Vigna Catiang, Endl., LEGUMINOS.E.
    Foods
Trekhan, Pb., Acer cultratum, Wall., syn. of Acer pictum, Thunb.
    SAPINDACEE. Foods
Trekhan, Pb., Acer pictum, Thunb., SAPINDACE R.
    Foods
Trepatra, Pb., Trifolium pratense, Linn., LEGUMINOS E.
    Foods
Trindus, Sind, Citrullus vulgaris, Schrad., var. fistulosus, Cucurbitace &.
    Foods
Tripattra, Pb., Marsilea quadrifolia, Linn., MARSILEACE E.
    Foods
Triwaka, Pb., Rumex vesicarius, Linn., Polygonace E.
    Foods
Tror, Pb., Polygonum polystachyum, Wall., POLYGONACE.R.
    Foods
Trotak, Pb., Equesetum debile, Roxb., EQUESETACER.
    Foods
Trual, Pb., Impatiens Balsamina, Linn., GERANIACEE.
   Foods
Trumba, Pb., Fagopyrum esculentum, Manch., Polygonace A.
    Foods
Tsaga, Burm., Michelia Champaca, Linn., MAGNOLIACE E.
    Foods
Tsarap, North Pb., Ladak to Lahoul, Hippophæ rhamnoides, Linn.,
    ELEAGNEE. Foods
Tsat-tha-pu, Burm., Pandanus odoratissimus, Willd., PANDANEÆ.
    Foods
Tsichyee, Burm., Briedelia retusa, Spreng., EUPHORBIACE E.
Tsiron-panna, Mal., Calophyllum Wightianum, Wall., GUTTIFERE.
    Foods
Tsjána-kua, Mal., Costus speciosus, Sm., Scitamine Æ.
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Tsu dza, Naga, Glycine Soja, Sieb. & Zucc., LEGUMINOS.R.

Tukhm malanga, Pb., Salvia pumila, Benth., LABIATE.

Foods

Foods

Tukhril, Lepcha, Rhus semi-alata, Murray, ANACARDIACEE. Foods Tul, Hind., Morus alba, Linn., URTICACEE. Foods Tál, Pb., Morus indica, Linn., URTICACE.R. Foods Tulasa, Bom., Ocimum sanctum, Linn., LABIATÆ. Foods Túlasi, Hind., Beng., Ocimum villosum, sp., Roxb., LABIATÆ. Foods Tulati-pati, Hind., Physalis minima, Linn., SOLANACEE. Foods Tulklu, Hind., Morus alba, Linn., URTICACEA. Foods Tulouch, Pb., Rubus lasiocarpus, Smith, ROSACEÆ. Foods Tulsi, Hind., Beng., Ocimum villosum, sp. Rozb., LABIATE. Foods Túlsi, Krishna, Hind., Beng., Tel., Ocimum sanctum, Linn., LABIATE. Foods Tulsi, Sacred, or Tulsi of the Hindus, Eng., Ocimum sanctum, Linn., LABIATÆ. Foods Tumal, Hind., Diospyros tomentosa, Roxb., EBENACEÆ. Foods Túmari, Kumaun, Castanopsis tribuloides, A. DC., CUPULIFERE. Foods Tumba, Hind., Pb., Lagenaria vulgaris, Seringe, Cucurbitace A. Foods Tumbali, Tam., Diospyros melanoxylon, Roxb., EBENACEÆ. Foods Tumberch, Lepcha, Mussænda frondosa, Linn., RUBIACEÆ. Foods Tumbi, Tam., Diospyros melanoxylon, Roxb., EBENACEÆ. Foods Tumbika, Tam., Diospyros Embryopteris, Pers., EBENACER. Foods Tumbri, N.-W. P., Marlea begoniæfolia, Roxb., CORNACE.E. Tumi, Tel., Diospyros melanoxylon, Roxb., EBENACE.E. Foods Tumik, Tel., Diospyros Embryopteris, Pers., EBENACEÆ. Foods Tumki, Gond., Tel., Diospyros melanoxylon, Roxb., EBENACEÆ. Foods Tummer, Gond., Diospyros melanoxylon, Roxb., EBENACEÆ. Foods Tumri, Gond., Diospyros melanoxylon, Roxb., EBENACER. Foods Tumri, (a small variety), Hind., Lagenaria vulgaris, Seringe, CUCURBITACEÆ. Foods Tún, Beng., Hind., Cedrela Toona, Roxb., MELIACER. Foods Tunamarum, Tam., Cedrela Toona, Roxb., MELIACER. Foods Tunani, Pb., Viburnum fætens, Decaisne, CAPRIFOLIACEÆ. Foods Tundú, Kan., Cedrela Toona, Roxb., MELIACEÆ. Foods Túng, Kashmir, Taxus baccata, Linn., CONIFERÆ.

Tunga, Pb., Pistacia integerrima, J. L. Stewart, ANACARDIACE A.

Tungcher, Lepcha, Antidesma Menasu, Mull.-Arg., EUPHORBIACE E. Foods

Tungrung, Lepcha, Osomanthus fragrans, Lour., OLEACE ...

Foods
Túpa, Bom., Cedrela Toona, Roxb., Meliace.e.

Foods

Tur, C. P., Deccan, Cajanus indicus, Spreng., LEGUMINOSÆ. Foods .

Turai, Bom., Luffa acutangula Roxb., CUCURBITACE E. Foods

Turai, Kumaun, Luffa ægyptiaca, Mill., ex Hook. f., CUCURBITACE.E. Foods

Turi, Hind., Luffa acutangula, Roxb., CUCURBITACE A. Foods .

Turi, Sind, Luffa acutangula, Roxb., CUCURBITACE E.

Foods .

Turmeric, Eng., Curcuma longa, Roxb., Scitamine E.
Foods .

Turnip, Eng., Brassica alba, H. f. & T. T., var. Rapa, CRUCIFERE. Foods

Turnip, Swedish, Eng., Brassica campestris, Linn., var. campestris proper, CRUCIFERE. Foods .

Tusk, North Pb., Ladak to Lahoul, Hippophæ rhamnoides, Linn., ELEAGNEE. Foods .

Tustus, Pb., Viburnum cotinifolium, Don., CAPRIFOLIACEÆ. Foods

Tút, Beng., Hind., Morus indica, Linn., URTICACE E. Foods

Tút, Hind., Morus lævigata, Wall., URTICACE E. Foods

Tut, Pb., Morus serrata, Roxb., URTICACEÆ.
Foods

Tuti, Hind., Cucumis Melo, Linn., var. Momordica, sp., Roxb.,
Cucurbitace E. Foods

Tutri, Hind., Morus indica, Linn., URTICACEE. Foods

Tuttealy, Ass., Elæocarpus Varunua, Ham., TILIACEÆ. Foods

Tuver, Bom., Cajanus indicus, Spreng., LEGUMINOSÆ. Foods .

Tuverica, Sans., Brassica campestris, Linn., var. Napus, sub.-var. toria, CRUCIFERÆ. Foods

Tuwanne, Pb., Grewia villosa, Willd., TILIACEA.
Foods

#### U

**Uaval**, Tam., Sizygium jambolanum, DC., MYRTACE E. Foods .

Ubbolu, Kan., Flacourtia inermis, Roxb., BIXINER. Foods .

Udha, Bom., Dendrocalamus strictus, Nees., GRAMINEÆ. Foods .

Udid, Deccan Phaseolus Mungo, Linn., var. Max, LEGUMINOS.E. Foods

Udu-gadi, Tel., Penicum brizoides, Linn., GRAMINEÆ. Foods

Ughal, Hind., Pb., Salvadora oleoides, Linn., Salvadorace E. Foods .

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Ughai, Tam., Salvadora persica, Garcin., SALVADORACE E.
Uk. Beng., Saccharum officinarum, Linn., Graminez.
     Foods
Ukh, N.-W. P. & Oudh, Saccharum officinarum, Linn., GRAMINER.
     Foods
Ukhari, N.-W. P. & Oudk, Saccharum officinarum, Linn., GRAMINEZ.
     Foods
Ukilbar-ki-munker, Dec, Canna indica, Linn., Scitamine E.
     Foods
Ukleel-ul-jilbul, Arab., Rosmarinus officinalis, Linn., LABIATEE.
     Foods
Uklu, Pb., Viburnum fætens, Decaisne, CAPRIFOLIACE E.
     Foods
Ulatkambal, Beng., Abroma augusta, Linn., STERCULIACE E.
     Foods
Ulu, Beng., Imperata arundinacea, Cyrill, GRAMINE E.
     Foods
Umar, Hind., Ficus glomerata, Roxb., URTICACEA.
     Foods
Umbar, C. P., Ficus glomerata, Roxb., URTICACEÆ.
     Foods
Umbli, Bom., Gnetum scandens, Roxb., GNETACEÆ.
    Foods
Umbuti, Duk., Oxalis corniculata, Linn., GERANIACER.
    Foods
Unoo, Sans., Panicum miliaceum, Linn., GRAMINE E.
    Foods
Upoo-poma, Tel., Rhizophora mucronata, Lamk., RHIZOPHORE E.
Uppu nérle, Kan., Morinda citrifolia, Linn., RUBIACEÆ.
    Foods
Uppn nerle, Kan., Morus alba, Linn., URTICACE A.
    Foods
Urad, Hind., Phaseolus aconitifolius, Jacq., LEGUMINOSÆ.
    Foods
Urad, Hind., Phaseolus Mungo, Linn., var. radiatus, Linn., LEGUMINOS.E.
Uranechra, Tel., Ximenia americana, Willd., OLACINE E.
    Foods
Urd, Hind., Oudh, Phaseolus Mungo, Linn., var. radiatus, Linn.,
    LEGUMINOSÆ Foods
Urni, Him. name, Corylus Colurna, Linn., CUPULIFERA.
    Foods
Usan, Pb., Eruca sativa, Lam., CRUCIFERE.
    Foods
Usan, Beng., Terminalia tomentosa, W. & A., COMBRETACE E.
    Foods
Usar-ki-ghas, N.-W. P., Sporobolus tenacissimus, Beauv., GRAMINE E.
    Foods
Ushit-tagari, Tam., Cassia Tora, Linn., LEGUMINOS.E.
    Foods
Usirh, Upper Ind., Imperata arundinacea, Cyrill, GRAMINE E.
    Foods
Usri, Tel., Phyllanthus Emblica, Linn., EUPHORBIACE E.
    Foods
Ustumri, Gond., Strychnos potatorum, Linn. f., LOGANIACE E.
    Foods
Utrain, Hind., Dec., Dæmia extensa, R. Br., ASCLEPIADE E.
    Foods
Uttámaní, Tam., Dæmia extensa, R. Br., ASCLEPIADEÆ.
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Uva, Tam., Tel., Dillenia indica, Linn., DILLENIACE E. Foods .

### V

Vabbúla, Sans., Acacia arabica, Willd., Leguminos.e. Foods

Vacha, Sans., Acorus Calamus, Linn., AROIDER.

Foods . Vada, Mahr., Ficus bengalensis, Linn., URTICACE &.

Foods Vadaja, Tel., Acorus Calamus, Linn., Aroide &.

Foods . Vaghe, Tam., Albizzia Lebbek, Benth., LEGUMINOS.E. Foods .

Vaj, Arab., Acorus Calamus, Linn., Aroidez. Foods

Vakhanda, Bom., Acorus Calamus, Linn., Arolde A. Foods

Valur, Pb., Solanum gracilipes, Done, SOLANACAE. Foods

Vallat-pandu, Tam., Allum sativum, Linn., LILIACEÆ. Foods

Vallanga, Tam., Feronia Elephantum, Correa., RUTACE E. Foods

Vallur, Pb., Cocculus Lemba, DC., MENISPERMACE A. Foods

Vani, Hind., Pb., Tam., Salvadora oleoides, Linn., SALVADORACEÆ. Foods

Vansa, Sans., Bambusa arundinacea, Rets., and other species, GRAMINE E. Foods .

Van-veri, Pb., Pentatropis spiralis, Dene., ASCLEPIADE E. Foods

Varagu, S. Ind., Panicum miliaceum, Linn., GRAMINEÆ.
Foods .

Vari, Deccan, Panicum miliare, Lamk., GRAMINEÆ. Foods

Vari, Pb., Quercus incana, Roxb., CUPULIPERE. Foods .

Vasaka, Sans., Beng., Adhatoda Vasica, Nees., ACANTHACE.E. Foods .

Vashambu, Tam., Acorus Calamus, Linn., Aroideæ. Foods

Vátána, Deccan, Pisum sativum, Linn., LEGUMINOSÆ-Foods .

Vavoli, Mar., Mimusops Elengi, Linn., SAPOIACE E. Foods

Vazhaip pazham, Tam., Musa sapientum, Linn., Scitamine E. Foods .

Vedam, Tel., Terminalia Catappa, Linn., COMBRETACE.E. Foods

Vehri, Pb., Cocculus Leæba, DC., MENISPERMACEÆ. Foods .

Vela, Tam., Feronia Elephantum, Correa., RUTACE.A. Foods

Velagá, Tel., Feronia Elephantum, Correa., RUTACEÆ. Foods

Vélip-parutti, Tam., Dæmia extensa, R. Br., ASCLEPIADE.E. Foods

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Vella, Tam., Anthocephalus Cadamba, Miq., Rubiace R.
     Foods
Vellari-verai, Tam., Cucumis Melo, Linn., CUCURBITACE E.
     Foods
Vella-vengayan, Tam., Allium Cepa, Linn., LILIACE A.
    Foods
Vellay putáli, Tam., Sterculia urens, Roxb., STERCULIACER.
Vellulli, Tel., Allium sativum, Linn., LILIACE A.
    Foods
Vena, Pb., Rhazya stricta, Done., APOCYNACEE.
    Foods
Vendaik-kay, Tam., Hibiscus esculentus, Linn., MALVACEÆ.
    Foods
Venda-kaya, Tel., Hibiscus esculentus, Linn., MALVACE E.
    Foods
Vendayam, Tam., Trigonella Fænum-græcum, Linn., Leguminos R.
Vendi (or Bhendi), Tam., Hibiscus esculentus, Linn., MALVACEÆ.
    Foods
Vengai, Tam., Pterocarpus Marsupium, Roxb., Leguminos E.
    Foods
Ventagam, Mal., Trigonella Fœnum-grœcum, Linn., Leguminos.E.
    Foods
Vepa, Tel., Melia Azadirachta, Linn., MELIACEÆ.
    Foods
Vepali, Tam., Holarrhena antidysenterica, Wall., APOCYNACE E.
    Foods
Veppalay, Tam., Holarrhena antidysenterica, Wall., APOCYNACE E.
    Foods
Veppaula, Tam., Holarrhena antidysenterica, Wall., APOCYNACE E.
    Foods
Veragoo, Eng., Panicum miliaceum, Linn., GRAMINER.
    Foods
Verasu, Tam., Cordia Myxa, Linn., BORAGINE A.
    Foods
Veri-tel-nep, Tel., Xanthium strumarium, Linn., Compositæ.
    Foods
Vérk-kadalai, Tam., Arachis hypogæa, Linn., LEGUMINOSÆ.
Verushanaga-káya, Tel., Arachis hypogæa, Linn., Leguminosæ.
    Foods
Vettilee, Tam., Piper Betle, Linn., PIPERACEÆ.
    Foods
Ve-velam, Tam., Acacia leucophlæa, Willd., Leguminosæ.
    Foods
Veypale, Tam., Melia Azadirachta, Linn., MELIACEÆ.
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Foods
Veypam, Tam., Melia Azadirachta, Linn., Meliace E.
Foods

VI, Eng., Spondias dulas, ANACARDIACEÆ. Foods .

Vibudi-patri, Tel., Ocimum Basilicum, Linn., LABIATÆ. Foods

Vidi, Tam., Cordia Myxa, Linn., BORAGINE F. Foods

Vilaiati kikkar, Pb., Parkinsonia aculeata, Linn., Leguminosæ. Foods

Viláyatimúga, Bom., Arachis hypogæa, Linn., Leguminosæ. Foods

Viledele, Kan., Piper Betle, Linn., PIPERACEÆ.
Foods

Viláyeti-mung, Dec., Arachis hypogæa, Linn., LEGUMINOSÆ.

Foods

Vilva, Tam., Ægle Marmelos, Correa., RUTACER.

Foods

Vine, Eng., Vitis vinifera, Linn., AMPELIDEÆ.

Foods

Virunung, Sans., Andropogon muricatus, Rets., GRAMINE A.

Foods

Voa-vanga, , Vangueria edulis, Vahl., Rubiace R.

Foods

, vanguera caulo, vans, Robincez.

Voa-vanga or Voa-vanguer of Madagascar, Eng., Vangueria edulis, Vahl., Rubiace... Foods

Vreehib-heda, Sans., Panicum miliaceum, Linn., GRAMINE E.

Vrihi, Sans., Oryza sativa, Linn., GRAMINEÆ.

Foods
Vularel, Tam., Hydrocotyle asiatica, Linn., UMBELLIFERÆ.

Foods . Vun-paratie, Tam., Gossypium herbaceum, Linn., MALVACE.E. Foods

Vusayley-keeray, Tam., Spenacia oleracea, Mill., Chenopodiace.k. Foods

# W

Waaka, Tel., Carissa Carandas, Linn., APOCYNACE E.

Foods

Wab, Mechi, Dendrocalamus Hamiltonii, Nees. & Arn., GRAMINE E: Foods .

Wad, Bomb, Ficus bengalensis, Linn., URTICACE.E. Foods

Wætiwear, Tam., Andropogon muricatus, Rets., GRAMINEÆ. Foods

Wagata, Tam., Randia uliginosa, DC., RUBIACEÆ.

Wahnok, Garo, Dendrocalamus Hamiltonii, Nees. & Arn., GRAMINER. Foods

Wal, Bom., Dolichos Lablab, Linn., Leguminos. E. Foods

Waliarai-kilangoo, Tam., Solanum tuberosum, Linn., Solanace E. Foods

Walnut, Indian, Eng., Aleurites moluccana, Willd., EUPHORBIACEÆ.

Walnut, Eng., Juglans regia, Linn., Juglander. Foods

Walunj, Bom., Salix tetrasperma, Roxb., SALICINER. Foods

Wane, Pb., Ribes rubrum, Linn., SAXIFRAGACEÆ. Foods

Wang-kai, Tel., Solanuma melongena, Linn., Solanace E. Foods

Wánsh, Pb., Rhus semi-alata, Murray, ANARCADIACEÆ. Foods

War, Mahr., Ficus bengalensis, Linn., URTICACEE.
Foods

War, Pb., Ficus infectoria, Wall., URTICACE E. Foods

Wara, Pb., Ribes rubrum, Linn., SAXIFRAGACEÆ. Foods

Wara-gudu, Tel., Cycas Ramphii, Miq., CYCADACE.

Foods . Warga, N.-W. P. & Oudh, Cassia Fistula, Linn., Leguminos E. Foods .

Wariaree, Gus., Fœniculum vulgare, Gærtn., Umbelliferæ. Foods

Warree, Eng., Panicum miliaceum, Linn., GRAMINEÆ.

Foods Warumba, Pb., Solanum xanthocarpum, Schrad. & Wendl., SOLANACER.

Watana, Bom., Pisum sativum, Linn., LEGUMINOSÆ.

Foods . Water-cress, Common, Eng., Nasturtium officinale, Br., CRUCIFERÆ.

Foods Water-lily, White, Eng., Nymphæa alba, Linn., NYMPHÆACEÆ.

Water-melon, Eng., Citrullus vulgaris, Schrad., CUCURBITACER. Foods

Wattal, Pb., Euonymus fimbriatus, Wall., CELASTRINEÆ. Foods

Wayaka, Eng., Pachyrhizus angulatus, Rich., LEGUMINOS.E. Foods

Wilaayati-jau, Hind., Avena sativa, Linn., GRAMINEÆ.

Foods
Willow, Weeping, Eng., Salix elegans, Wall., Koch., SALICINER.

Foods .
Willow, White or Huntingdon, Eng., Salix alba, Linn., Salicine E.
Foods .

Wing-stalked-yam, Eng., Dioscorea alata, Linn., DIOSCOREACEÆ. Foods

Winri, Him. name, Corylus Colurna, Linn., CUPULIFERE.

Foods . Wodalior, Tam., Acacia Catechu, Willd., Leguminos. E.

Foods . Wodier, Roxb., ANACARDIACE.E.

Foods . Wominta, Tel., Gynandropsis pentaphlylla, DC., CAPPARIDEÆ.

Foods . Wood-apple, Eng., Feronia Elephantum, Correa., RUTACE.E.

Foods . Worga, Tel., Panicum miliaceum, Linn., GRAMINE ...

Foods

Foods Worglo (the grain), Tel., Panicum miliaceum, Linn., GRAMINEÆ.

Wulawalli, Tel., Dolichos biflorus, Linn., Leguminosæ. Foods

Wulwalu, Tel., Dolichos biflorus, Linn., Leguminosæ. Foods

Wumb, Bom., Nephelium longana, Camb., SAPINDACEE. Foods

# Y

Yae-chinya, Burm., Securinega obovata, Müll., Euphorbiacar. Foods .

Yal-yæ, Burm., Morinda citrifolia, Linn., RUBIACEÆ. Foods

Yajya-domur, Beng., Ficus Cunia, Buch., URTICACE E. Foods

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Yaka, Eng., Pachyrhizus angulatus, Rich., LEGUMINOSA.
    Foods
Yallande, Tam., Zizyphus Jujuba, Lam., RHAMNEÆ.
    Foods
Yalum, Mal., Amomum aromaticum, Roxb., Scitamine A.
    Foods
Yam, Eng., Dioscorea alata, Linn., DIOSCOREACER.
   Foods
Yam, Eng., Dioscorea globosa, Roxb., DIOSCOREACEÆ.
    Foods
Yamaney, Burm., Gmelina arborea, Roxb., VERBENACEÆ.
    Foods
Yam, Bulb-bearing, Eng., Dioscorea bulbifera, Linn., DIOSBOCREACE.
    Foods
Yam, Common, Eng., Dioscorea sativa, Willd., DIOSCOREACEÆ.
    Foods
Yam, Prickly-stemmed, Eng., Dioscorea aculeata, Roxb., DIOSCOREACE E.
Yams-kalung, Tam., Dioscorea alata, Linn., DIOSCOREACEÆ.
    Foods
Yamskollung, Tam., Dioscorea sativa, Willd., DIOSCOREACE E.
    Foods
Yangmæ of China, Eng., Myrica Nagi, Myricace.
    Foods
Yapa, Tel., Melia Azadirachta, Linn., MELIACEÆ.
    Foods
Yapa, Tel., Hardwickia binata, Roxb., Leguminosa.
    Foods
Yavásá, Hind., Bom., Sans., Alhagi maurorum, Desv., LEGUMINOSÆ.
    Foods
Yaythagyee, Burm., Sesbania ægyptiaca, Pers., LEGUMINOSÆ.
    Foods
Yazlakulu, Tel., Amomum aromaticum, Roxb., Scitamine E.
    Foods
Yeddi, Tel., Andropogon contortus, Linn., GRAMINEÆ.
Yeddi, Tel., Heteropogon contortus, R. & S., GRAMINER.
    Foods
Yel, Lepcha, Bassia butyracea, Roxb., SAPOTACE A.
    Foods
Yelakulu, Tel., Amomum subulatum, Roxb., SCITAMINER.
    Foods
Yelarsi, Tam., Amomum subulatum, Roxb., Scitamine E.
    Foods
Yelchi, Kan., Zizyphus Jujuba, Lam., RHAMNER.
    Foods
Yellanga, Tel., Feronia Elephantum, Correa., RUTACEE.
    Foods
Yello-cheddie, Lam., Sesamum indicum, Linn., PEDALINEÆ.
Yelpote, Lepcha, Bassia butyracea, Roxb., SAPOTACER.
    Foods
Yeppa, Tel., Bassia latifolia, Roxb., SAPOTACER.
    Foods
Yeppa, Tel., Bassia longifolia, Willd., SAPOTACER.
    Foods
Yethalryay, Burm., Eugenia operculata, Roxb., MYRTACE R.
    Foods
Ye-tha-pan, Burm., Ficus glomerata, Roxb., URTICACER.
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Foods

Yette, Tam., Dalbergia Sissoo, Roxb., LEGUMINOSAL

Yew, Eng., Taxus baccata, Linn., CONIFERE.
Foods

Yira, Kashmir, Typha angustifolia, Linn., TYPHACEE. Foods

Yúr, Pb., Salix alba, Linn., Salicinem.

Foods

Yúr, Kashmir, Salix daphnoides, Vill., SALICINEA.

Foods

Yurra-galjeror, Tel., Trianthema monogyna, Linn., FICOIDER. Foods .

Yúru, Pb., Quercus Ilex, Linn, CUPULIFERA.

Foods

Yuva, Sans., Hordeum vulgare, Linn., GRAMINEE. Foods

# Z

Zagukei, Pb., Rumex Wallichii, Meisn., POLYGONACE E. Foods

Zaitún, Afg., Olea cuspidata, Royle, OLEACER.

Foods

Zambu, Pb., Prunus Padus, Linn., ROSACEÆ.

Zaminkand, N. India, Amorphophallus campanulatus, Blume., AROIDER. Foods

Zaminkand, Hind., Dioscorea bulbifera, Linn., DIOSCOREACE A.

Zanda, N. Pb. & Ladak, Dracocephalum heterophyllum, Benth., LABIATE. Foods

Zardak, Pers., Daucus Carota, Linn., Umbelliferæ.
Foods

Zardálu, Hind., Prunus armeniaca, Linn., ROSACEÆ. Foods .

Zargal, Pb., Flacourtia sepiaria, Roxb., BIXINE.E.

Zeirishk, Pb., Berberis vulgaris, Linn., BERBERIDE E.

Foods .

Zergul, Trans-Indus Tract. See Calendula officinalis, Linn., COMPOSITE.

Foods .

Zewar, Pb., Bupleurum falcatum, Linn., var. marginata, Wall., Umbellifera. Foods.

Zhido, Pb., Lonicera hypoleuca, Dne., CAPRIFOLIACE E. Foods .

Ziben, Burm., Zizyphus Jujuba, Lam., RHAMNEÆ.

Foods
Zimbil, Pb., Ladak, Potamogeton gramineus, L., NAIADACEÆ.

Zimbryun, Burm., Dillenia pentagyna, Rosb., DILLENIACER.
Foods

Zira, Hind., Carum Carui, Linn., UMBELLIFERÆ. Foods

Zira, Hind., Cuminum Cyminum, Linn., UMBELLIFERÆ.

Foods

Ziriehk, Pers., Berberis aristata, DC., and B. Lycium, Royle, BERBERIDEÆ.

Foods

Zolim-buriki, Tam., Schleichera trijuga, Willd., SAPINDACEÆ. Foods

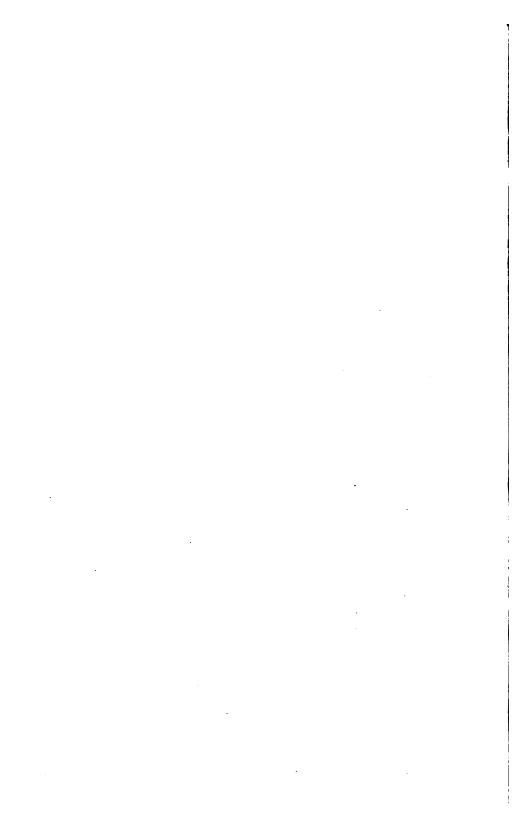
Zonalu, Tel., Zea Mays, Linn., GRAMINEÆ. Foods

Zoornai, Sans., Sorghum vulgare, Pers., GRAMINEÆ.
Foods

Zwiebel, Ger., Allium Cepa, Linn., LILIACE E. Foods



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